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CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF
BROWN UNIVERSITY
1883-4.



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1883.

ISSUED, NOVEMBER, 1883.

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1883-84.

1883	SUN.	MON.	TUES.	WED.	THUR.	FRI.	SAT.	1884	SUN.	MON.	TUES.	WED.	THUR.	FRI.	SAT.	1884	SUN.	MON.	TUES.	WED.	THUR.	FRI.	SAT.
July	1	2	3	4	5	6	7	Jan.	..	..	1	2	3	4	5	July	..	..	1	2	3	4	5
	8	9	10	11	12	13	14		6	7	8	9	10	11	12		6	7	8	9	10	11	12
	15	16	17	18	19	20	21		13	14	15	16	17	18	19		13	14	15	16	17	18	19
	22	23	24	25	26	27	28		20	21	22	23	24	25	26		20	21	22	23	24	25	26
	29	30	31	..	..	..	..		27	28	29	30	31	..	..		27	28	29	30	31	..	..
Aug.	..	..	..	1	2	3	4	Feb.	..	..	..	..	..	1	2	Aug.	..	..	..	..	..	1	2
	5	6	7	8	9	10	11		3	4	5	6	7	8	9		3	4	5	6	7	8	9
	12	13	14	15	16	17	18		10	11	12	13	14	15	16		10	11	12	13	14	15	16
	19	20	21	22	23	24	25		17	18	19	20	21	22	23		17	18	19	20	21	22	23
	26	27	28	29	30	31	..		24	25	26	27	28	29	..		24	25	26	27	28	29	30
Sept.	..	..	..	..	..	1	2	Mar.	..	..	..	..	..	..	1	Sept.	..	..	..	..	..	..	..
	2	3	4	5	6	7	8		2	3	4	5	6	7	8		..	1	2	3	4	5	6
	9	10	11	12	13	14	15		9	10	11	12	13	14	15		7	8	9	10	11	12	13
	16	17	18	19	20	21	22		16	17	18	19	20	21	22		14	15	16	17	18	19	20
	23	24	25	26	27	28	29		23	24	25	26	27	28	29		21	22	23	24	25	26	27
	30	..	..	..	..	..	..		30	31	..	..	..	..	..		28	29	30	..	..	..	..
Oct.	..	1	2	3	4	5	6	April	..	..	1	2	3	4	5	Oct.	..	..	..	1	2	3	4
	7	8	9	10	11	12	13		6	7	8	9	10	11	12		5	6	7	8	9	10	11
	14	15	16	17	18	19	20		13	14	15	16	17	18	19		12	13	14	15	16	17	18
	21	22	23	24	25	26	27		20	21	22	23	24	25	26		19	20	21	22	23	24	25
	28	29	30	31	..	..	..		27	28	29	30	..	..	..		26	27	28	29	30	31	..
Nov.	..	..	..	..	1	2	3	May	..	..	..	..	1	2	3	Nov.	..	..	..	..	..	..	1
	4	5	6	7	8	9	10		4	5	6	7	8	9	10		2	3	4	5	6	7	8
	11	12	13	14	15	16	17		11	12	13	14	15	16	17		9	10	11	12	13	14	15
	18	19	20	21	22	23	24		18	19	20	21	22	23	24		16	17	18	19	20	21	22
	25	26	27	28	29	30	..		25	26	27	28	29	30	31		23	24	25	26	27	28	29
Dec.	..	..	..	..	..	1	2	June.	..	..	..	..	..	..	..	Dec.	..	..	..	..	..	..	..
	2	3	4	5	6	7	8		1	2	3	4	5	6	7		..	1	2	3	4	5	6
	9	10	11	12	13	14	15		8	9	10	11	12	13	14		7	8	9	10	11	12	13
	16	17	18	19	20	21	22		15	16	17	18	19	20	21		14	15	16	17	18	19	20
	23	24	25	26	27	28	29		22	23	24	25	26	27	28		21	22	23	24	25	26	27
	30	31	..	..	..	..	..		29	30	..	..	..	..	..		28	29	30	31	..	..	..

CALENDAR FOR 1883-84.

1883.

- September 5,* *Wednesday.* Annual Meeting of the Corporation.
- September 19,* *Wednesday.* Academic Year begins (third Wednesday in September).
- November 29,* *Thursday.* Thanksgiving Day. No College exercises on Thursday, Friday, and Saturday of Thanksgiving week.
- Christmas Holidays**, from evening of Friday, December 21, 1883, to evening of Wednesday, January 2, 1884.

1884.

- January 24-30,* *Thursday to Wednesday.* Semi-Annual Examination of College Classes.
- January 31,* *Thursday.* **Second Half-year Begins.**
- February 22,* *Friday.* Washington's Birthday. No College exercises.
- Spring Recess**, Saturday, March 29, to Monday evening, April 7.
- April 19,* *Saturday.* Junior Exhibition.
- May 19-24,* *Monday to Saturday.* Examination of Senior Class.
- May 30,* *Friday.* Decoration Day. No College exercises.

<i>June 6-12,</i>	<i>Friday to Thursday.</i> Semi-Annual Examinations of College Classes.
<i>June 13,</i>	<i>Friday.</i> Class Day.
<i>June 15,</i>	<i>Sunday.</i> Baccalaureate Sermon.
<i>June 16,</i>	<i>Monday.</i> Sophomore Prize Declamation.
<i>June 17,</i>	<i>Tuesday.</i> Annual Meeting of the Phi Beta Kappa Society, 9.30 A. M.
<i>June 17,</i>	<i>Tuesday.</i> Annual Alumni Meeting in Manning Hall, at 4 P. M.
<i>June 18,</i>	<i>Wednesday.</i> One hundred and sixteenth annual Commencement (third Wednesday in June).
<i>June 19,</i>	<i>Thursday.</i> Meeting of the Corporation.
<i>June 19, 20, 21,</i>	<i>Thursday, Friday, Saturday.</i> Examination for admission to College.

Summer Vacation.

<i>September 3,</i>	<i>Wednesday.</i> Annual Meeting of the Corporation in Manning Hall (on the first Wednesday in September).
<i>September 16,</i>	<i>Tuesday.</i> Examination of Delinquents in College Studies.
<i>September 15, 16,</i>	<i>Monday, Tuesday.</i> Examinations for admission.
<i>September 17,</i>	<i>Wednesday.</i> Academic Year Begins.

CORPORATION.

BOARD OF FELLOWS.

REV. EZEKIEL G. ROBINSON, D. D., LL. D.,

PRESIDENT.

ALEXANDER DUNCAN, A. M.

REV. ALVA WOODS, D. D.

REV. SAMUEL L. CALDWELL, D. D.

REV. EDWARDS A. PARK, D. D.

HON. CHARLES S. BRADLEY, LL. D.

HORATIO N. SLATER, A. M.

WILLIAM GAMMELL, LL. D.

REV. ALVAH HOVEY, D. D., LL. D.

HON. ROWLAND G. HAZARD, LL. D.

MERRICK LYON, LL. D.

REV. HEMAN LINCOLN, D. D.

BOARD OF TRUSTEES.

HON. THOMAS DUFFEE, LL. D.,

CHANCELLOR.

REV. WILLIAM HAGUE, D. D.

HON. GEORGE HOWLAND, A. M.

HON. CHARLES THURBER, A. M.

REV. JOHN C. STOCKBRIDGE, D. D.

MARSHALL WOODS, A. M.

WILLIAM GODDARD, A. M.

REV. THATCHER THAYER, D. D.

REV. ABRAHAM H. GRANGER, D. D.

JEFFERSON BORDEN, Esq.

HON. J. WARREN MERRILL, A. M.

HON. WILLIAM SPRAGUE, A. M.

JOHN G. WHITTIER, A. M.

RT. REV. M. A. DEWOLFE HOWE, D. D.

JOSEPH C. HARTSHORN, A. M.

HON. FRANCIS WAYLAND, LL. D.

WILLIAM W. KEEN, M. D.

REV. ADONIRAM J. GORDON, D. D.

REV. JAMES B. SIMMONS, D. D.

* REV. ALBERT N. ARNOLD, D. D.
REV. WILLIAM H. EATON, D. D.
ALBERT K. SMILEY, A. M.
HON. ROWLAND HAZARD, A. M.
EDWIN M. SNOW, M. D.
ARNOLD B. CHACE, A. M.
HORATIO N. SLATER, JR., A. M.
HON. ELIJAH B. STODDARD, A. M.
REV. DANIEL LEACH, D. D.
REV. C. EDWIN BARROWS, D. D.
RICHARD M. ATWATER, A. M.
HON. WILLIAM F. SAYLES.
HON. CHARLES L. COLBY, B. P.
REV. S. DRYDEN PHELPS, D. D.
REV. EDWARD JUDSON, D. D.
HON. JOSEPH H. WALKER.

REV. SAMUEL L. CALDWELL, D. D.,

SECRETARY OF THE CORPORATION.

ARNOLD B. CHACE, A. M.,

TREASURER.

* Died October 12, 1883.

ADVISORY COMMITTEE OF THE ALUMNI.

ALEXANDER FARNUM, A. M.

FRANCIS W. BIRD, A. M.

ALBERT HARKNESS, PH. D., LL. D.

CHARLES B. GOFF, A. M.

EDWARD T. CASWELL, M. D.

FRANCIS A. GASKILL, A. B.

REUBEN A. GUILD, LL. D.

MEMBERS OF THE FACULTY,
AND
OTHER OFFICERS.

REV. EZEKIEL GILMAN ROBINSON, D. D., LL. D.,

PRESIDENT,

Professor of Moral and Intellectual Philosophy.

JOHN LARKIN LINCOLN, LL. D.,

Professor of the Latin Language and Literature.

ALBERT HARKNESS, PH. D., LL. D.,

Professor of the Greek Language and Literature.

BENJAMIN FRANKLIN CLARKE, A. M.,

Professor of Mathematics and Civil Engineering.

JOHN HOWARD APPLETON, A. M.,

Newport-Rogers Professor of Chemistry.

TIMOTHY WHITING BANCROFT, A. M.,

Professor of Rhetoric and English Literature.

ELI WHITNEY BLAKE, JR., A. M.,

Hazard Professor of Physics.

* *Elton Professor of Natural Theology.*

JOHN WHIPPLE POTTER JENKS, A. M.,

Professor of Agricultural Zoology, and Curator of the Museum.

ALONZO WILLIAMS, A. M.,

Professor of Modern Languages.

* At present, instruction in Natural Theology is given by the PRESIDENT of the University.

WILLIAM CAREY POLAND, A. M.,

Assistant Professor of Latin and Greek.

ALPHEUS SPRING PACKARD, JR., M. D., PH. D.,

Professor of Zoology and Geology.

NATHANIEL FRENCH DAVIS, A. M.,

Assistant Professor of Mathematics.

WILLIAM WHITMAN BAILEY, B. P.,

Professor of Natural History (Botany), and Curator of the Herbaria.

REV. ELISHA BENJAMIN ANDREWS, A. M.,

Professor of History and Political Economy.

WINSLOW UPTON, A. M.,

Professor of Astronomy.

HOWARD MALCOM TICKNOR, A. M.,

Instructor in Elocution.

CHARLES VALUE CHAPIN, M. D.,

Instructor in Physiology.

HENRY WEBSTER KEGWIN, A. M.,

Instructor in Mathematics.

WILSON GARDNER CROSBY, A. B.,

Instructor in Latin and Greek.

FREDERIC ALEXANDER HILL,

Assistant Instructor in Analytical Chemistry.

REUBEN ALDRIDGE GUILD, LL. D.,

Librarian.

JOHN MILTON BURNHAM, A. M.,

Assistant Librarian.

FRANCIS WAYLAND DOUGLAS, A. M.,

Registrar.

UNDERGRADUATES.

SENIOR CLASS.

NAME.	RESIDENCE.	ROOM.
Frank Howard Andrews,	<i>Providence,</i>	12 Portland St.
William Birket Arnold,	<i>Centreville,</i>	Slater, 2.
Albert Allison Baker,	<i>Providence,</i>	104 Carpenter St.
Charles Lewis Baker,	<i>Fall River, Mass.,</i>	Slater, 10.
George Henry Bottum,	<i>Shaftsbury, Vt.,</i>	University, 45.
William Manuel Peres Bowen,	<i>Providence,</i>	73 Ring St.
Richmond Brewer,	<i>Providence,</i>	55 Waterman St.
Frank Melville Bronson,	<i>Andover, Mass.,</i>	Hope, 10.
Hermon Carey Bumpus,	<i>Dorchester, Mass.,</i>	Slater, 8.
Everett Doughty Burr,	<i>New York, N. Y.,</i>	University, 19.
George Arnold Carpenter,	<i>Ashton,</i>	Ashton.
William Jacob Cloues,	<i>Charlestown, Mass.,</i>	Hope, 14.
Alfred Dodge Cole,	<i>Beverly, Mass.,</i>	Slater, 19.
John Daboll,	<i>Providence,</i>	112 Daboll St.
John George Doron,	<i>Mt. Holly, N. J.,</i>	Slater, 17.
Everett Brownell Durfee,	<i>Fall River, Mass.,</i>	Slater, 2.
Robert Henry Ferguson,	<i>Boston, Mass.,</i>	University, 21.
Arthur Younger Ford,	<i>Owensboro', Ky.,</i>	University, 47.
Arthur Amory Gammell,	<i>Providence,</i>	Hope, 34.
George Ellery Gardner,	<i>Wickford,</i>	Slater, 1.
Henry Brayton Gardner,	<i>Providence,</i>	260 Waterman St.
George Coleman Gow,	<i>Brattleboro', Vt.,</i>	Hope, 25.
Charles William Greene,	<i>Providence,</i>	38 Cooke St.
Robert Warren Greene,	<i>Providence,</i>	20 Hawthorne St.
Harry Hathaway Hammond,	<i>Providence,</i>	29 Angell St.

NAME.	RESIDENCE.	ROOM.
Edwin Bates Harvey,	<i>Providence,</i>	229 Fountain St.
Ira Charles Hersey,	<i>Foxboro', Mass.,</i>	Slater, 9.
Leonidas Raymond Higgins,	<i>Flemington, N. J.,</i>	University, 32.
Henry Russell Hitchcock,	<i>Foxboro', Mass.,</i>	University, 16.
Willie Clarence Ingalls,	<i>Putney, Vt.,</i>	Hope, 29.
James Lawrence Jenks,	<i>Pawtucket,</i>	Pawtucket.
Joseph Harris Johnson,	<i>Providence,</i>	45 Mawney St.
Charles Gregory King, Jr.,	<i>Cleveland, O.,</i>	55 Waterman St.
Benjamin Willey Lightburn,	<i>Flatwoods, Penn.,</i>	Hope, 3.
George Albert Loomis,	<i>East Greenwich,</i>	Hope, 40.
Frederick Newton Luther,	<i>Providence,</i>	13 Dudley St.
Stephen Elmer Mann,	<i>Fall River, Mass.,</i>	Slater, 10.
Harold Metcalf,	<i>Providence,</i>	127 Smith St.
Andrew Newall,	<i>Westerly,</i>	University, 47.
Clement Dietrich O'Leary,	<i>Providence,</i>	University, 41.
Otis Everett Randall,	<i>Providence, cor. Beaufort & Carlton Sts.</i>	
Abbott Barnes Rice,	<i>Hopkinton, Mass.,</i>	Hope, 36.
Augustus Erving Scoville,	<i>Bridgeport, Conn.,</i>	Hope, 14.
Edward Whitten Shedd,	<i>Providence,</i>	University, 12.
Volney Skinner,	<i>Watertown, Mass.,</i>	University, 30.
Edward Presbury Smith,	<i>Vineyard Haven, Mass.,</i>	Hope, 16.
Frank Edwin Sweet,	<i>Pawtucket,</i>	55 Grove St.
Theodore Foster Tillinghast,	<i>Providence,</i>	108 Angell St.
Edward Pratt Tuller,	<i>Hartford, Conn.,</i>	Hope, 11.
George Alfred Tyzzer,	<i>Wakefield, Mass.,</i>	Angell, 38.
Charles Russell Upton,	<i>Lowell, Mass.,</i>	Hope, 45.
Josiah Howe Vose,	<i>Providence,</i>	University, 27.
George Melvin Wadsworth,	<i>Holliston, Mass.,</i>	University, 44.
George Bulkeley Wakeman,	<i>Moodus, Conn.,</i>	University, 32.
Thomas Weston Wood, Jr.,	<i>Newport,</i>	29 Benevolent St.

Select Course.

Michael Joseph Harson,	<i>Providence,</i>	49 Chestnut St.
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JUNIOR CLASS.

NAME.	RESIDENCE.	ROOM.
Harlan Page Abbott,	<i>Antrim, N. H.,</i>	Hope, 6.
Harry Olin Alexander,	<i>Bellows Falls, Vt.,</i>	University, 27.
Emerson Henry Alger,	<i>Geneva, O.,</i>	University, 13.
Lyndon Laroy Anderström,	<i>Bristol,</i>	University, 31.
Arthur Channing Barrows,	<i>Providence,</i>	Hope, 32.
Lloyd Morton Blodgett,	<i>Pawtucket,</i>	Slater, 18.
Francis Hail Brown,	<i>Warwick,</i>	104 Eddy St.
William Chamberlain Burwell,	<i>Saxton's River, Vt.,</i>	University, 57.
Theron Harlow Carter,	<i>Charlemont, Mass.,</i>	Hope, 24.
Elmer Case,	<i>Collinsville, Conn.,</i>	Hope, 32.
Duncan Alexander Cattanaach,	<i>Providence,</i>	Angell Place.
Ward Beecher Chase,	<i>Fayette, Me.,</i>	University, 57.
Elam Lewis Clarke,	<i>Grafton, Vt.,</i>	University, 50.
Frank Leslie Day,	<i>Keene, N. H.,</i>	University, 50.
Charles Owen Dexter,	<i>Nayatt,</i>	University, 19.
Norman Staunton Dike,	<i>Brooklyn, N. Y.,</i>	Slater, 3.
John Byron Diman,	<i>Providence,</i>	130 Angell St.
Charles Thomas Eaton,	<i>Needham, Mass.,</i>	Hope, 4.
Walter Goodnow Everett,	<i>South Hampton, N. H.,</i>	Hope, 13.
Amory Prescott Folwell,	<i>Waterbury, Conn.,</i>	Slater, 19.
Joseph Wood Freeman,	<i>Central Falls,</i>	Hope, 2.
Ferdinand Courtney French,	<i>Providence,</i>	Hope, 6.
Edgar Homer Grout,	<i>Hopkinton, Mass.,</i>	Hope, 36.
Charles Henry Hare,	<i>Suffield, Conn.,</i>	Hope, 17.
Walter Hayward,	<i>Providence,</i>	Slater, 2.
John Calder Hebden,	<i>Providence,</i>	Hope, 21.
Crawford Hill,	<i>Denver, Col.,</i>	Slater, 3.
Charles Chambers Hitchcock,	<i>Foxboro' Mass.,</i>	University, 16.
James Wager Johnson,	<i>Providence,</i>	26 George St.
Clarence Littlefield,	<i>Block Island,</i>	Slater, 11.

NAME.	RESIDENCE.	ROOM.
Joseph Haley Lord,	<i>Wells, Me.,</i>	Hope, 24.
Edward Fairfield Lovejoy,	<i>Burrillville,</i>	Hope, 40.
George Stitzel Mathews,	<i>Temple, Penn.,</i>	Hope, 21.
Frank Mauran, Jr.,	<i>Providence,</i>	Hope, 34.
Charles Herbert McIntire,	<i>Lowell, Mass.,</i>	Slater, 6.
Francis Albert McLane,	<i>Providence,</i>	263 Washington St.
James Charles Monaghan,	<i>Providence,</i>	Hope, 40.
Frank Edwin Peckham,	<i>Providence,</i>	53 Greenwich St.
James Monroe Pendleton, 2d,	<i>Westerly,</i>	Hope, 37.
William Pratt,	<i>Pawtucket,</i>	Slater, 18.
Charles Franklin Reed,	<i>South Abington, Mass.,</i>	Hope, 5.
Edgar Wilson Remington,	<i>River Point,</i>	Hope, 8.
Henry Johns Rhett,	<i>Providence,</i>	Slater, 20.
Knight Cheney Richmond,	<i>Providence,</i>	261 Waterman St.
Norman Leonard Richmond,	<i>Lakeville, Mass.,</i>	Hope, 9.
Clifford Phetteplace Seagrave,	<i>Providence,</i>	Hope, 2.
William Henry Shedd,	<i>Providence,</i>	University, 47.
Elmer Ellsworth Silver,	<i>Derby, Vt.,</i>	University, 12.
Henry Reuben Skinner,	<i>Watertown, Mass.,</i>	University, 30.
Carroll Waller Smith,	<i>Washington, D. C.,</i>	University, 41.
Charles Morris Smith, Jr.,	<i>Providence,</i>	114 Benevolent St.
Noah Beazelle Smith,	<i>Washington, D. C.,</i>	University, 22.
Howard Kemble Stokes,	<i>Millville, N. J.,</i>	University, 43.
Samuel Slater Stone,	<i>Foster,</i>	Hope, 40.
Arthur Preston Sumner,	<i>Providence,</i>	Trinity Square.
Orray Taft,	<i>Pawtuxet,</i>	University, 27.
Frank Locke Titcomb,	<i>Providence,</i>	22 Nichols St.
Thomas Campbell McKeever	<i>Van Kirk, Jefferson, Penn.,</i>	Hope, 21.
Ashbel Tingley Wall,	<i>Providence,</i>	University, 35.
Andrew McCorrie Warren,	<i>Fall River, Mass.,</i>	134 Bridgham St.
Henry Knowles Wilbur,	<i>Andover, Mass.,</i>	Hope, 12.
Horatio Gates Wood,	<i>Newport,</i>	Slater, 20.

Select Course.

Charles Edwin Bassett,	<i>Central Falls,</i>	Slater, 2.
Francis Whittier Greene,	<i>River Point,</i>	Slater, 2.
Lorenzo Burdette Smull,	<i>Port Washington, N. Y.,</i>	Slater, 11.

SOPHOMORE CLASS.

NAME.	RESIDENCE.	ROOM.
Howard Almy,	<i>Providence,</i>	75 Angell St.
William Henry Beattie,	<i>Fall River, Mass.,</i>	University, 19.
William Henry Bennett,	<i>Fitchburg, Mass.,</i>	Hope, 9.
Charles Wesley Boardman,	<i>Pawtucket,</i>	68 High St.
Charles Albert Briggs,	<i>Brockton, Mass.,</i>	Hope, 5.
*Stephen Swift Brooks,	<i>Arlington,</i>	Arlington.
Alexander Brough, Jr.,	<i>Providence,</i>	University, 48.
Harold Brown,	<i>Newport,</i>	357 Benefit St.
Dana Ripley Bullen,	<i>Pawtucket,</i>	Slater, 18.
Edward Clifton Burnham,	<i>Pawtucket,</i>	Slater, 7.
Clarence Everett Bury,	<i>Fall River, Mass.,</i>	Hope, 39.
William Eugene Carter,	<i>Essex, N. Y.,</i>	Hope, 43.
David Henry Chandler,	<i>Vail's Gate, N. Y.,</i>	University, 55.
Thomas Sessions Cole,	<i>Seekonk, Mass.,</i>	Seekonk.
Asa Clinton Crowell,	<i>Cumberland Mills,</i>	University, 55.
Amos Lockwood Danielson,	<i>Providence,</i>	64 Angell St.
Frederic William Davis,	<i>Central Falls,</i>	168 Central St.
Frank Ormond Draper,	<i>Pawtucket,</i>	Pawtucket.
William Allan Dyer,	<i>Fall River, Mass.,</i>	Slater, 12.
Henry Lexington Everett,	<i>Worcester, Mass.,</i>	University, 53.
William Burnside Frackelton,	<i>Providence,</i>	49 Althea St.
Otis Allen Freeman,	<i>Worcester, Mass.,</i>	Hope, 31.
Henry Frink,	<i>Preston City, Conn.,</i>	38 Angell St.
William Henry Frost,	<i>Providence,</i>	124 Smith St.
Daniel Hunt Fuller,	<i>Providence,</i>	48 Transit St.
Edward Alvah Godding,	<i>Providence,</i>	1 Locust St.
George Grime,	<i>Fall River, Mass.,</i>	Hope, 19.
Norman Gunderson,	<i>Providence,</i>	35 Pitman St.

* Died Oct. 5.

NAME.	RESIDENCE.	ROOM.
Edward Leroy Gunn,	<i>Fort Scott, Ks.,</i>	University, 48.
Samuel Willis Hamblen,	<i>Holden, Mass.,</i>	Hope, 30.
Stephen Cushing Harris,	<i>Providence,</i>	90 Angell St.
Herbert Wade Hibbard,	<i>Providence,</i>	Hope, 15.
Almon Ward Hill,	<i>Lowell, Mass.,</i>	Slater, 6.
Norman Morrison Isham,	<i>Providence,</i>	1 Major St.
George Arthur Jepherson,	<i>Providence,</i>	Slater, 13.
Arthur Pliny Johnson,	<i>East Providence,</i>	E. Providence.
Solon Chester Kelley,	<i>Pawtucket,</i>	Slater, 7.
Isaac Gifford Ladd,	<i>Brooklyn, N. Y.,</i>	University, 43.
William Albert Lane,	<i>Philadelphia, Penn.,</i>	University, 25.
Charles Engs Lawton,	<i>Newport,</i>	Hope, 8.
Clarence Hartwell Manchester,	<i>Providence,</i>	147 WASHINGTON St.
Charles John McCreery,	<i>Fall River, Mass.,</i>	Hope, 39.
Frank Lincoln Morse,	<i>East Providence,</i>	Hope, 19.
William Prescott Mudge,	<i>Providence,</i>	9 Pacific St.
James Francis Murphy,	<i>Central Falls,</i>	Central Falls.
William Thomas Nicholson, Jr.,	<i>Providence,</i>	Hope, 1.
John Edward Nicolai,	<i>Newport,</i>	261 Benefit St.
James Monroe Paine,	<i>E. Killingly, Conn.,</i>	University, 52.
Wilbur Brown Parshley,	<i>Live Oak, Fla.,</i>	Hope, 29.
Albert Knight Potter, Jr.,	<i>Boston, Mass.,</i>	Hope, 25.
Ralph Goddard Potter,	<i>Nayatt Point,</i>	Slater, 7.
Charles Henry Putnam,	<i>Deposit, N. Y.,</i>	Slater, 17.
Fred Edward Read,	<i>Pawtucket,</i>	Pawtucket.
Charlton Albanis Reed,	<i>Flemington, N. J.,</i>	Hope, 42.
Thomas George Rees,	<i>Providence,</i>	35 Abbott St.
Philip Joseph Reid,	<i>Providence,</i>	154 Charles St.
Francis Wayland Reynolds,	<i>Mt. Pleasant, Penn.,</i>	Hope, 22.
William Job Reynolds, Jr.,	<i>Providence,</i>	Hope, 45.
Clarence Verdine Roberts,	<i>Montpelier, Vt.,</i>	Hope, 17.
Arthur Rogers,	<i>Providence,</i>	177 Hope St.
Joseph Somers Russel,	<i>Bordentown, N. J.,</i>	Hope, 45.
Amos Lockwood Sarle,	<i>Warwick,</i>	University, 25.
Oliver Perry Sarle, Jr.,	<i>Warwick,</i>	University, 25.
Louis Shiel,	<i>Philadelphia, Penn.,</i>	Hope, 46.
Frederic Tenney,	<i>Providence,</i>	44 Hudson St.
Edwin Stanley Thompson,	<i>Providence,</i>	31 Jefferson St.

NAME.	RESIDENCE.	ROOM.
Edmund Gorham Thurber,	<i>Providence,</i>	Slater, 16.
Frank E. Tingley,	<i>Pawtucket,</i>	Slater, 13.
Arthur Leonard Wadsworth,	<i>Holliston, Mass.,</i>	University, 44.
Joseph Hooker Ward,	<i>Middletown,</i>	Slater, 12.
Stephen Waterman,	<i>Providence,</i>	72 Meeting St.
Daniel Webster, Jr.,	<i>Providence,</i>	81 Mawney St.
Frank Denison White,	<i>Rutland, Vt.</i>	University, 50.
William Shaw White,	<i>Pawtucket,</i>	Slater, 18.
George Washington Willis,	<i>Allegheny, Penn.,</i>	University, 46.
George Grafton Wilson,	<i>Providence,</i>	University, 55.

Select Course.

William Dart Sheldon,	<i>Providence,</i>	128 Washington St.
Isaac Frazee Williams, Jr.,	<i>Bristol,</i>	Hope, 23.

FRESHMAN CLASS.

NAME.	RESIDENCE.	ROOM.
John Ernest Baugher,	<i>Providence,</i>	36 Aborn St.
William Elihu Baxter,	<i>Portland, Me.,</i>	Slater, 2.
Calvin Huntington Bottum,	<i>Shaftsbury, Vt.,</i>	University, 45.
George Willis Brechbill,	<i>Fultonham, O.</i>	Hope, 31.
Walter Cochrane Bronson,	<i>Andover, Mass.,</i>	Hope, 10.
William Henry Brown,	<i>Brooklyn, Conn.,</i>	Hope, 47.
Harry Livingston Burdick,	<i>Orange, N. J.,</i>	University, 10.
George Everett Candee,	<i>Poughkeepsie, N. Y.,</i>	University, 54.
Clarence Augustus Carr,	<i>Newport,</i>	281 Broadway.
Edmund Denison Chesebro,	<i>Stonington, Conn.,</i>	University, 60.
Gardner Colby,	<i>Orange, N. J.,</i>	University, 10.
Harry Frederick Colwell,	<i>Providence,</i>	University, 40.
Arthur Irving Connell,	<i>Fall River, Mass.</i>	Hope, 7.
George Cooper,	<i>Pawtucket,</i>	Slater, 13.
George Hazard Crooker,	<i>Providence,</i>	University, 40.
John De Forest Danielson,	<i>Providence,</i>	Hope, 1.
George Owen Dexter,	<i>Nayatt,</i>	University, 27.
Ormsbee Thayer Farnum,	<i>Providence,</i>	34 Aborn St.
Reuben Earle Fenton, Jr.,	<i>Jamestown, N. Y.,</i>	University, 18.
George Wilton Field,	<i>Brockton, Mass.,</i>	Slater, 15.
Walter Osgood Forde,	<i>Gloucester, Mass.,</i>	University, 54.
Isaac Hudson Gilhuly,	<i>Keyport, N. J.,</i>	Hope, 42.
Theodore Francis Green,	<i>Providence,</i>	14 John St.
John Henshaw,	<i>Providence,</i>	55 Waterman St.
Irving Clifton Hicks,	<i>Providence,</i>	University, 44.
Albert Walker Hinds,	<i>West Boylston, Mass.,</i>	Hope, 30.
Walter Esmond Keach,	<i>Valley Falls,</i>	University, 44.
John Shober Kimber,	<i>Newport,</i>	27 Humboldt Ave.
John Knox,	<i>Haywards, Cal.,</i>	University, 60.

NAME.	RESIDENCE.	ROOM.
Lucky Alonzo Lindsay,	<i>Jacksboro, Tenn.,</i>	Hope, 47.
William Lippitt Mauran,	<i>Providence,</i>	Butler Ave.
Howard Donald McLeod,	<i>Providence,</i>	Hope, 23.
Eugene Clayton Mowry,	<i>Woonsocket,</i>	Woonsocket.
Dana Carleton Munro,	<i>Bristol,</i>	Hope, 23.
Benjamin Arthur Newton,	<i>West Medway, Mass.,</i>	Hope, 15.
William Overton, Jr.,	<i>Pawtucket,</i>	Pawtucket.
Charles Currier Phillips,	<i>Nashville, Tenn.,</i>	35 Prairie Ave.
George Ripley Pinkham,	<i>Thompson, Conn.,</i>	Hope, 46.
Willie Robert Potter,	<i>Phenix,</i>	Hope, 19.
Alfred Merritt Quick,	<i>Plainfield, Conn.,</i>	University, 59.
Howard Prescott Quick,	<i>Plainfield, Conn.,</i>	University, 59.
Walter Reuben Scott,	<i>Wauregan, Conn.,</i>	University, 55.
Joseph Cooke Smith,	<i>Providence,</i>	282 Greenwich St.
Walter Burges Smith,	<i>Providence,</i>	114 Benevolent St.
Louis Franklin Snow,	<i>Providence,</i>	University, 43.
Edward French Thompson,	<i>Fall River, Mass.,</i>	5 Cottage St.
William Walter Wakeman,	<i>Moodus, Conn.,</i>	Hope, 41.
Harry Franklin Walker,	<i>Thomaston, Me.,</i>	Pawtucket.
Joseph Walker,	<i>Worcester, Mass.,</i>	Slater, 4.
Augustus Daniel Wheeler,	<i>Midvale, N. J.,</i>	Hope, 41.
Harry Devereaux Wheeler,	<i>Greenport, N. Y.,</i>	Hope, 12.
Charles Lincoln White,	<i>Winchester, Mass.,</i>	University, 31.
Beniah Longley Whitman,	<i>Marlboro, Mass.,</i>	Hope, 27.
Richard Wright,	<i>Dublin, Ireland,</i>	Hope, 43.
Herrick Platt Young,	<i>Providence,</i>	8 Peirce St.

Select Course.

John Francis Bannan,	<i>Providence,</i>	251 Prairie Ave.
Arthur Eugene Miller,	<i>Meriden, Conn.,</i>	29 Benevolent St.
Charles Alfred Potter,	<i>Cranston,</i>	Cranston.
Walter Armington Potter,	<i>Providence,</i>	195 Angell St.
Harry Gratin Guinness Vincent,	<i>Philadelphia, Penn.,</i>	University, 53.
James William Walker,	<i>Saylesville,</i>	Saylesville.

SUMMARY.

[illegible]

TIME AND CONDITIONS OF ADMISSION.

THE regular examination for admission to the FRESHMAN CLASS will take place on Thursday, Friday, and Saturday of Commencement week, June 20, 21, 22, 1884, beginning at 8 o'clock, A. M., on Thursday. The candidates will assemble in Rhode Island Hall; and *they must be in attendance during the three days.*

There will be a second examination on Monday, Sept. 16, 1884, beginning at 9 o'clock, A. M., and on Tuesday, Sept. 17, 1884, at 8 o'clock, A. M. Applicants must be in attendance both days.

For admission to ADVANCED STANDING, candidates must pass a general examination in the studies already pursued by the class which they propose to enter.

No student can be admitted as a candidate for matriculation, unless he brings suitable testimonials of good moral character; and if he comes from another college or an academy, he must also present a certificate of good standing in the institution which he has left, and of regular dismission from it.

For the Course for the Degree of Bachelor of Arts.

Candidates for admission to the Freshman Class are examined in the following subjects ; but real equivalents will be received for any of the Latin or Greek works mentioned :

I. Greek. 1. Greek Grammar (Hadley's is preferred). 2. The Syntax and Greek Selections in Harkness's "First Greek Book," or an equivalent from any other Greek Reader. 3. The whole of Xenophon's *Anabasis*, or *five* books of the *Anabasis* and *two* books of Homer ; the *Odyssey* is preferred. 4. The first *twenty* exercises of Arnold's Greek Prose Composition, or the first *twenty-five* exercises of Jones's Greek Prose Composition. 5. In the general history of Greece to the death of Alexander.

NOTE. — In place of the examination in five books of the *Anabasis* and two of the *Iliad*, candidates may, at their option, substitute an examination in translating at sight passages of ordinary difficulty from the works of Xenophon and from the *Iliad*. Candidates thus examined will be supplied with a vocabulary of the less usual words.

II. Latin. 1. Caesar, *Gallic War*, books I.–IV., or books I.–III., and Sallust's *Catiline*, with questions on the subject-matter and on grammar. 2. Ovid, twenty-five hundred lines (Lincoln's edition). 3. Cicero, the *Orations against Catiline*, and the *Oration for Archias*, with questions, as on Caesar. 4. Vergil, *Aeneid*, books I.–VI., or *Aeneid*, books I.–V., and the *Eclogues*, with questions on the subject-matter and on prosody. 5. Translation, at sight, of average passages from Caesar, Cicero's *Orations*, Vergil's *Aeneid*, and Ovid's *Metamorphoses*, with questions on grammar, prosody, history, and antiquities, suggested by the passages assigned. 6. Translation into Latin of simple English

sentences. 7. Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose. 8. Outlines of Roman Geography; and of Roman History to the end of the reign of Marcus Aurelius. It is recommended that pupils be accustomed, from the beginning of their preparatory course, to translate into Latin, both orally and in writing, passages prepared by the teachers on the basis of the prose authors read.

In pronouncing Latin, it is recommended that *ā* be pronounced as in *father*, *ǣ* as in the first *a* in *apart*; *ē* as in *prey*, *ĕ* as in *men*; *ī* as in *machine*, *ī* as in *pity*; *ō* as in *old*, *ō* as in *nor*; *ū* as in *rule*, *ū* as in *put*; *j* as *y* in *yard*; *c* always as *k*, as in *king*; *g* always as *g* in *get*.

III. Mathematics. 1. Arithmetic, including the Metric system of weights and measures. 2. Algebra, through Equations of the Second Degree, including Arithmetical and Geometrical Progression, and the use of the Binomial Formula. 3. Plane Geometry.

IV. English Composition. Candidates will be required to write a brief composition upon a subject assigned at the time of examination. These compositions must be correct in spelling, punctuation, grammar, division into paragraphs, and expression.

In 1884, the subject will be drawn from one of the following works: Shakespeare's *Julius Caesar*, and *Merchant of Venice*; Thackeray's *Henry Esmond*; Burns's *Cotter's Saturday Night*; Carlyle's *Essay on Burns*; Scott's *Lady of the Lake*; Irving's *Sketch-Book*.

Candidates are expected to be familiar with all the above works.

Specimens of incorrect English will also be assigned for correction.

For 1885, the list will be as follows: Shakespeare's *Macbeth*, and *Merchant of Venice*; Irving's *Sketch-Book*; George Eliot's *Silas Marner*; Dickens's *Tale of Two Cities*.

For 1886 : Shakespeare's Julius Caesar, and Macbeth ; Dickens's Tale of Two Cities ; Scott's Abbot ; Pope's Rape of the Lock ; Lowell's Vision of Sir Launfal.

V. French. Otto's French Grammar, Part. I., including *the Reading Lessons*. (An additional examination is offered to candidates desiring to enter the advanced Division of the Freshman Class in French.)

Preliminary Examinations.

In certain of the Preparatory studies, candidates may be examined one year before the time at which they intend to apply for admission to the Freshman Class. This examination will be held in June only. The subjects for this earlier examination will be the following :

I. In Greek.

1. Greek Grammar.
2. The Syntax and Greek selections in Harkness's "First Greek Book," or an equivalent from any other Greek Reader.
3. Three books of Xenophon's Anabasis.

II. In Latin.

1. Latin Grammar.
2. Caesar, or Caesar and Sallust, as on page 24.
3. Translation into Latin of simple sentences.
4. Ovid, or Cicero, or Vergil, as on page 24.

III. In Mathematics.

1. Arithmetic, including the metric system of weights and measures.

For the Courses for the Degree of Bachelor of Philosophy.

There are two parallel courses of instruction of candidates for the degree of Bachelor of Philosophy, each course extending through a period of four years. One of these courses includes classical studies ; the other omits them, and substitutes a larger amount of scientific studies.

Candidates for admission to a course including *Greek* are examined in all the Greek subjects specified on page 24. They are also examined in all the subjects in the list below.

Candidates for admission to a course including *Latin* are examined in the Latin subjects specified on pages 24, 25. They are also examined in all the subjects (except the Latin) in the list below.

Candidates for admission to the course *omitting* classical studies are examined in the following subjects :

I. Latin.

Five books of Caesar, or its equivalent in Cicero, or in Vergil.

II. Mathematics.

1. Arithmetic, including the Metric system of weights and measures. 2. Algebra, through Equations of the Second Degree, including Arithmetical and Geometrical Progression, and the use of the Binomial Formula. 3. Plane Geometry.

III. English.

Candidates will be required to write a brief composition upon a subject assigned at the time of examination. These compositions must be correct in spelling, punctuation, grammar, division into paragraphs, and expression.

In 1884, the subject will be drawn from one of the following works :

Shakespeare's Julius Caesar ; The Sir Roger de Coverley Papers of Addison ; Macaulay's Essay on Addison ; Scott's Marmion ; Thackeray's Henry Esmond.

Candidates are expected to be familiar with all the above works.

Specimens of incorrect English will also be assigned for correction.

For subjects for 1885 and 1886, see pages 24, 25.

IV. French.

Otto's French Grammar, Part I., including *the Reading Lessons*. (An additional examination is offered to candidates desiring to enter the advanced Division of the Freshman Class in French.)

SELECT COURSES.

Students who wish to pursue a Select Course, without entering as candidates for a degree, must be examined in such subjects as are preliminary to the studies which they desire to pursue in College.

COURSES OF INSTRUCTION.

FIRST: FOR THE DEGREE OF BACHELOR OF ARTS.

FRESHMAN CLASS.

First Half-Year.

1. *Greek.* Felton's Greek Historians.— Arnold's Greek Prose Composition.— Smith's History of Greece. *Four hours a week.*
2. *Latin.* Livy (Lincoln's Selections), Books I., II., XXI.— Harkness's Latin Composition, Part III.— History of Rome. *Five hours a week.*
3. *Mathematics.* Algebra, from Quadratic Equations. *Five hours a week.*
4. *French.* First Division. (1) The *Athalie* of Racine will be read in the class. (2) Examinations will be held upon the *Esther*, *Iphigénie*, and *Phédre* of Racine.— Second Division. (1) Three books of the *Télémaque* of Fénelon will be read in the class. (2) Examinations will be held upon three additional books of *Télémaque*.— Voluntary divisions will be arranged with all who desire to read more of these two authors. *Two hours a week.*
5. *Hygiene.* A course of Lectures.

Second Half-Year.

1. *Greek.* Homer's Iliad.— Arnold's Greek Prose Composition completed. *Five hours a week.*
2. *Latin.* Cicero de Senectute, and De Amicitia. — Selections from Cicero's Epistles.— Latin Composition. *Four hours a week.*

3. *Mathematics.* Geometry, Solid and Spherical. — Plane and Spherical Trigonometry. *Five hours a week.*
4. *French.* First Division. (1) The *Horace* of Corneille will be read in the class. (2) Examinations will be held upon the *Cid*, *Cinna* and *Polyeucte* of Corneille.— Second Division. (1) The *Horace* of Corneille will be read in the class. (2) Examination will be held upon the *Cid*.— Voluntary divisions will be arranged with all who desire to read more of this author. *Two hours a week.*

SOPHOMORE CLASS.

First Half-Year.

1. *Greek.* Demosthenes, Public Orations. *Three hours a week.*
2. *Latin.* Horace (Lincoln's Edition). — Latin Composition. *Two hours a week.*
3. *Mathematics.* General Geometry and Calculus.— *Five hours a week.*
4. *Rhetoric.* Lectures on English Composition. Text-Book, A. S. Hill's Principles of Rhetoric. *Two hours a week.*— Essays.— Principal Books of Reference: Campbell's Philosophy of Rhetoric, Whately's Elements of Rhetoric, Kames's Elements of Criticism, and D. J. Hill's Science of Rhetoric.
5. *Elocution.* Lectures and Exercises. *Once a week.* Principal Works of Reference: Rush On the Voice; Murdoch and Russell's Vocal Culture; The Speaking Voice, Hullah; Throat and Voice, Cohen.
6. One of the following elective studies :
 - (1.) *German.* Whitney's Grammar.— Exercises in German Composition. — Practice in German Conversation. — Joynes's Reader. *Three hours a week.*

- (2.) *French.* Molière.—Modern Pieces.—Lectures. *Three hours a week.*

Second Half-Year.

1. *Greek.* Sophocles.—Lectures. *Two hours a week.*
2. *Latin.* The *Agricola* and *Germania* of Tacitus.—Pliny's Letters.—Latin Composition. *Three hours a week.*
3. *Mechanics.* Peck's *Mechanics.* *Five hours a week.*
4. *Rhetoric.* Lectures on English Composition. Text-Book, A. S. Hill's *Principles of Rhetoric.* *Two hours a week.* Essays.
5. *Elocution.* Lectures and Exercises, with Declamations. *One hour a week.* For reference, Bacon's *Manual of Gesture.*
6. One of the following elective studies :
 - (1.) *German.* Advanced Grammar.—Exercises in German Composition.—*Der Zerbrochene Krug* of Zschokke, *Eigensinn* of Benedix. *Three hours a week.*
 - (2.) *French.* Modern Authors. *Three hours a week.*

JUNIOR CLASS.

First Half-Year.

1. *Rhetoric.* Lectures on the English Language. Manual of English Literature, with Readings from authors. *Four hours a week.*—Essays and Orations, *Saturdays.* Principal authors referred to : In Language, Marsh, Müller, Whitney, and Sayce ; in Literature, Taine, Arnold, Morley, and Shaw.
2. *Elocution.* Private Rehearsals of Orations.
3. *Astronomy.* Loomis's *Astronomy*, with Lectures. *Three hours a week.*

4. *Chemistry.* Lectures. The lectures are illustrated by experiments and colored charts, and black-board exercises. Books of Reference : Fownes's Chemistry, Roscoe and Schorlemmer's Chemistry, Cooke's Chemical Philosophy. *Three hours a week.*
5. *Physics.* Lectures, illustrated by experiments, also Recitations, both in writing and oral. Books of Reference : Atkinson's Ganot, Deschanel's Natural Philosophy, Silliman's Physics. *Five hours a week.*
6. One of the following elective courses :
 - (1.) *Latin.*—Horace's *Ars Poetica*, and Selections from his Epistles. *Two hours a week.*
 - (2.) *Greek.* *Two hours a week.*
 - (3.) *Civil Engineering.* *Two hours a week.*
 - (4.) *German.* Schiller's *Jungfrau von Orleans.* *Two hours a week.*
 - (5.) *Botany.* *Two hours a week.*

Second Half-Year.

1. *Logic.* Text-Book, Jevons's Logic. Principal authors referred to in Logic : Sir W. Hamilton, De Morgan, Thomas, Mill, Mansel, Bowen, and Fowler. *Three hours a week.*
2. *Physiology.* Lectures. Books of Reference : In Anatomy, Quain and Gray ; in Physiology, Dalton, Marshall, and Foster ; in Hygiene, Buck. *Five hours a week.*
3. *Rhetoric.* Manual of English Literature ; study of authors. *Two hours a week.* Essays and Orations, *Saturdays.*
4. *Elocution.* Private rehearsals of Orations.
5. A sufficient number of the following elective courses to make up *six hours a week* :
 - (1.) *Latin.* Juvenal, Terence, Latin Composition, Lectures. *Two hours a week.*
 - (2.) *Greek.* Plato. *Two hours a week.*

- (3.) *Civil Engineering.* Advanced Mechanics. *Two hours a week.*—Surveying. *Two hours a week.*
- (4.) *Analytical Chemistry.* Laboratory practice. *Six hours a week.*
- (5.) *Physics.* Laboratory work. *Four hours a week.*
- (6.) *German.* Lessing's *Emilia Galotti.* *Two hours a week.*
- (7.) *Zoology.* Lectures. *Two hours a week.*—Laboratory work. *Two hours a week.* Books of reference: Packard's Zoology, Huxley's Anatomy of the Invertebrates, Huxley's Anatomy of the Vertebrates, Gegenbaur's Elements of Comparative Anatomy, Packard's Outlines of Comparative Embryology.
- (8.) *Botany.* Lectures and field excursions. *Two hours a week.*—Laboratory work. *Two hours a week.*
- (9.) *Political Economy.* Lectures, chiefly from the point of view of the English School, but noticing the peculiar doctrines of Cossa, Knies, Roscher, Schaeffle, and Wagner. Discussions. Brief special studies by the class, of Fawcett, Mill, Sidgwick, and F. A. Walker. *Two hours a week.*

SENIOR CLASS.

First Half-Year.

1. *Intellectual Philosophy.* Lectures.—Essays by the class. Sir William Hamilton's Lectures on Metaphysics, Kant's Critique of Pure Reason (Translations of Meiklejohn and Müller and expositions of Mahaffy, Caird, Stirling, and Morris), Wayland's Intellectual Philosophy, Porter's The Human Intellect. *Five hours a week.*
2. *History.* General History of European Civilization. Lectures; also abstracts by the class, mainly from Guizot's History of Civilization in Europe, Bryce's Holy Roman Empire, and Gibbon's *Decline and Fall* of the Roman

Empire. Large references to Droysen, Hallam, Martin, Michelet, Milman, Ranke, von Sybel, von Treitschke, and Waitz. *Five hours a week.*

3. A sufficient number of the following elective courses to make up *six hours a week.*

(1.) *Latin.* Lucretius, with Lectures. *Two hours a week.*

(2.) *Greek.* Demosthenes, Oration on the Crown. *Two hours a week.*

(3.) *Civil Engineering.* *Two hours a week.*

(4.) *Analytical Chemistry.* Laboratory practice. *Six hours a week.*

(5.) *German.* Goethe's *Iphigenie.* *Two hours a week.*

(6.) *Geology.* Lectures. *Two hours a week.*—Laboratory work. *Two hours a week.* Books of reference: Dana's New Text-Book of Geology; Dana's Manual of Geology. Le Conte's Elements of Geology. Nicholson's Ancient Life-History of the Earth.

(7.) *Botany.* *Two hours a week.*

(8.) *Roman Law.* Holland's Institutes of Justinian, with Lectures. *Two hours a week.*

Second Half-Year.

1. *Moral Philosophy.* Lectures, with essays by the class. Wayland's Moral Science, Alexander's Moral Science, Kant's Metaphysic of Ethics (Semple's and Abbott's translations), Calderwood's Hand-Book of Moral Philosophy, with references to various authors. *Five hours a week.*

Natural Theology, and Evidences of Christianity, by Lectures.

2. *History.* Constitutional History of England. Skottowe's Outlines, with abstracts by the class from Stubbs, and Hallam, Gardiner, Green, and Guizot.—Constitutional and Political History of the United States, Lectures,

with abstracts by the class from Bancroft, von Holst, and others. *Five hours a week.*

3. *Agricultural Zoology.* (A required course for students on State Scholarships.) *One hour a week.*
4. A sufficient number of the following elective courses to make up *five hours a week*, for students on State Scholarships, and *six hours a week* for all others :
 - (1.) *Lectures on the History of Philosophy.* *One hour a week.*
 - (2.) *Latin. The Annales and Historiae of Tacitus,* with Lectures, *Two hours a week.*
 - (3.) *Greek.* *Two hours a week.*
 - (4.) *Civil Engineering.* *Two hours a week.*
 - (5.) *Analytical Chemistry.* Laboratory practice. *Six hours a week.*
 - (6.) *French.* *Two hours a week.*
 - (7.) *German. Goethe's Faust. Lectures.* *Two hours a week.*
 - (8.) *Geology, (continued).* Lectures ; *with a short course on Archaeology and Ethnology.* *One hour a week.*
 - (9.) *Botany. Lectures.* *Two hours a week.*—Laboratory work. *Two hours a week.*
 - (10.) *Political Economy.* *Two hours a week.*
 - (11.) *International Law.* Woolsey or Bluntschli. *One hour a week.*

SECOND: FOR THE DEGREE OF BACHELOR OF PHILOSOPHY.

The following are the outlines of the courses ; but they may be subjected to such modifications as are hereafter found advisable :

Course including an Ancient Language.

FRESHMAN CLASS.

First Half-Year.

1. Greek or Latin, *four hours a week.*
2. Algebra, *five hours a week.*
3. French, *two hours a week.*
4. Plane problems, *three hours a week.*
5. Mechanical drawing, *two hours a week.*
6. Hygiene.

Second Half-Year.

1. Greek or Latin, *five hours a week.*
2. Geometry and Trigonometry, *five hours a week.*
3. French, *two hours a week.*
4. Descriptive Geometry, *three hours a week.*
5. Mechanical drawing, *two hours a week.*

SOPHOMORE CLASS.

First Half-Year.

1. Greek or Latin, *two or three hours a week.*
2. General Geometry and Calculus, *five hours a week.*
3. French, *three hours a week.*
4. Rhetoric; Essays, *two hours a week.*
5. Elocution, *one hour a week.*
6. Shades and Shadows, *three hours a week.*

Course not including an Ancient Language.

FRESHMAN CLASS.

First Half-Year.

1. Algebra, *five hours a week.*
2. French, *two hours a week.*
3. Biology and Physical Geography, *three hours a week.*
4. Plane problems, *three hours a week.*
5. Mechanical and Free-hand drawing, *six hours a week.*
6. Hygiene.

Second Half-Year.

1. Geometry and Plane and Spherical Trigonometry, *five hours a week.*
2. French, *two hours a week.*
3. English Language, *three hours a week.*
4. Descriptive Geometry, *three hours a week.*
5. Mechanical and Free-hand drawing, *six hours a week.*

SOPHOMORE CLASS.

First Half-Year.

1. General Geometry and Calculus, *five hours a week.*
2. Rhetoric; Essays, *two hours a week.*
3. Elocution, *one hour a week.*
4. French, *three hours a week.*
5. Shades and Shadows, *three hours a week.*
6. Linear Perspective, *two hours a week.*

Second Half-Year.

The following required studies:

1. Greek or Latin, *three or two hours a week.*
2. Mechanics, *five hours a week.*
3. Rhetoric and Essays, *two hours a week.*
4. Elocution, *one hour a week.*
5. Either French, *three hours a week*, or German, *three hours a week.*
6. Either Surveying, *three hours a week*, or Applications of Calculus to General Geometry, *two hours a week.*

Course including an Ancient Language.

JUNIOR CLASS.

First Half-Year.

1. Rhetoric and English Literature, *three hours a week.*
2. Elocution.
3. Astronomy, *three hours a week.*
4. Chemistry, *three hours a week.*
5. Physics, *five hours a week.*

A sufficient number of the following elective courses to make up *two hours a week.*

German, *two hours a week.*
 Latin, *two hours a week.*
 Greek, *two hours a week.*
 Civil Engineering, *two hours a week.*

Second Half-Year.

The following required studies:

1. Logic, *three hours a week.*
2. Physiology, *five hours a week.*
3. Rhetoric, *two hours a week.*
4. Elocution.

A sufficient number of the following elective courses to make up *six hours a week.*

Latin, *two hours a week.*
 Greek, *two hours a week.*
 German, *two hours a week.*
 Zoology, *two hours a week.*
 Political Economy, *two hours a week.*
 Analytical Chemistry, *six hours a week.*
 Physics, Laboratory work, *four hours a week.*
 Advanced Mechanics, *two hours a week.*
 Botany, *four hours a week.*
 Civil Engineering, *two hours a week.*

Second Half-Year.

The following required studies:

1. Mechanics, *five hours a week.*
2. Rhetoric, *two hours a week.*
3. Elocution, *one hour a week.*
4. Applications of Calculus to General Geometry, *two hours a week.*
5. French or German, *three hours a week.*
6. Surveying, *three hours a week.*

Course not including an Ancient Language.

JUNIOR CLASS.

First Half-Year.

1. Rhetoric and English Literature, *three hours a week.*
2. Elocution.
3. Astronomy, *three hours a week.*
4. Chemistry, *three hours a week.*
5. Physics, *five hours a week.*

A sufficient number of the following elective courses to make up *two hours a week.*

German, *two hours a week.*
 Civil Engineering, *two hours a week.*

Second Half-Year.

The following required studies:

1. Logic, *three hours a week.*
2. Physiology, *five hours a week.*
3. English Language, *two hours a week.*
4. Elocution.

A sufficient number of the following elective courses to make up *six hours a week.*

German, *two hours a week.*
 Zoology, *two hours a week.*
 Political Economy, *two hours a week.*
 Analytical Chemistry, *six hours a week.*
 Physics, Laboratory work, *four hours a week.*
 Advanced Mechanics, *two hours a week.*
 Botany, *four hours a week.*
 Civil Engineering, *two hours a week.*

Course including an Ancient
Language.

SENIOR CLASS.

First Half-Year.

The following required studies:

1. Intellectual Philosophy, *five hours a week.*
2. History, *five hours a week.*

A sufficient number of the following elective courses to make up *six hours a week.*

Roman Law, *two hours a week.*
Latin, *two hours a week.*
Greek, *two hours a week.*
German, *two hours a week.*
Analytical Chemistry, *six hours a week.*
Civil Engineering, *two hours a week.*
Geology, *four hours a week.*

Second Half-Year.

The following required studies:

1. Moral Philosophy and Natural Theology, *five hours a week.*
2. History, *five hours a week.*
3. Agricultural Zoology (a required course for students on State Scholarships), *one hour a week.*

A sufficient number of the following elective courses to make up *five hours a week* for students on State Scholarships; and *six hours a week* for all others.

Lectures on History of Philosophy, *one hour a week.*
Latin, *two hours a week.*
Greek, *two hours a week.*
French, *two hours a week.*
German, *two hours a week.*
Political Economy, *two hours a week.*
Botany, *four hours a week.*
Civil Engineering, *two hours a week.*
Geology, *one hour a week.*
Analytical Chemistry, *six hours a week.*
International Law, *one hour a week.*

Course not including an Ancient
Language.

SENIOR CLASS.

First Half-Year.

The following required studies:

1. Intellectual Philosophy, *five hours a week.*
2. History, *five hours a week.*

A sufficient number of the following elective courses to make up *six hours a week.*

Roman Law, *two hours a week.*
German, *two hours a week.*
Analytical Chemistry, *six hours a week.*
Civil Engineering, *two hours a week.*
Geology, *four hours a week.*

Second Half-Year.

The following required studies:

1. Moral Philosophy and Natural Theology, *five hours a week.*
2. History, *five hours a week.*
3. Agricultural Zoology (a required course for students on State Scholarships), *one hour a week.*

A sufficient number of the following elective courses to make up *five hours a week* for students on State Scholarships; and *six hours a week* for all others.

Lectures on History of Philosophy, *one hour a week.*
French, *two hours a week.*
German, *two hours a week.*
Political Economy, *two hours a week.*
Botany, *four hours a week.*
Civil Engineering, *two hours a week.*
Geology, *one hour a week.*
Analytical Chemistry, *six hours a week.*
International Law, *one hour a week.*

DEPARTMENTS OF PRACTICAL SCIENCE.

Departments of Practical Science have been established in the University for the benefit of students who wish to prepare themselves for such pursuits as require special knowledge of the mathematical and physical sciences and the applications of these to the industrial arts.

In these departments provision has also been made for courses of instruction in "such branches of learning as are related to Agricultural and the Mechanic arts." This provision has been made in accordance with an "Act of Congress granting lands for the establishing of Agricultural Colleges," and with "Resolutions of the General Assembly of the State of Rhode Island accepting these lands, and assigning the same to Brown University." Students who enter only for these studies, either in full or in part, are subject to the same conditions of admission as for any select course; and when they have duly pursued such studies, they will be entitled to a certificate stating the time of their University residence, and the amount of their acquisitions. They may, however, pursue these studies in connection with "the regular scientific and classical studies of the University," and when they have so pursued them as to fulfill the requirements for the degree of Bachelor of Arts or of Bachelor of Philosophy, they will be entitled to these degrees.

I. CHEMISTRY APPLIED TO THE ARTS.

The Chemical Laboratory is open to students (except on Saturdays) from 8.30 A. M. to 2.30 P. M.

It is the design of this department to teach students Analytical chemistry, and then to direct their studies to the practical applications of chemistry. Attention is given to metallurgy, pharmacy, medical chemistry, agricultural chemistry, and the application of chemistry to manufacturing processes.

The course is not confined to undergraduates; other persons—if prepared to pursue the study to advantage—are admitted to the Laboratory. But a knowledge of the general principles of Chemistry is absolutely necessary to profitable study in this department.

The text-books used are :

Appleton's Qualitative Chemical Analysis, and Appleton's Quantitative Chemical Analysis, Roscoe's Inorganic Chemistry, Thorpe's Chemical Problems, Cairns's Quantitative Analysis.

II. CIVIL ENGINEERING.

The regular course in this department occupies four years, but a longer or shorter course may be pursued, according to the wants or abilities of students. Those who are unable to pursue a full course will find the studies so arranged that the knowledge and practice acquired in only a partial course will be practical and available. Ample provision will be made for the instruction of any who desire a more extended course than is here indicated, in Engineering and in Higher Mathematics.

The following is the order of study for the regular course :

First Year. Use of mathematical instruments, including Line drawing, Pen shading, Graphical construction of Plane problems; Free-hand

drawing and shading; use of Mathematical tables; Trigonometry, and its application to the measurement of areas, and descriptive Geometry.

Second Year. Differential and integral Calculus; Shades and Shadows and linear Perspective, and Isometrical Drawing; Plane surveying, including the theory and adjustment of instruments, Field practice, and Plotting surveys.

Third Year. Theory of structure. embracing the construction of foundations, Stone and Brick masonry, and detailed drawings of the same; Calculation and geometrical representation of the strain on trusses and girders; Drawing of Plans, Profiles, Elevations, and Sections.

Construction of machinery and bridges, and drawings of the same; Strength of materials used in construction; Estimation of resistance of friction and rigidity; and Hydraulics, embracing the structure and use of hydraulic machines, the investigation of the laws which govern the flow of water from reservoirs and the flow of water in rivers, canals and conduit pipes, and water used as a motor.

Fourth Year. Weisbach's Mechanics, or Mahan's Civil Engineering.

To pursue this course to the best advantage, the following mathematical studies taught in the University should be pursued in connection with those above mentioned, viz. : Algebra, Geometry, Plane and Spherical Trigonometry, General Geometry, and Calculus.

Students desiring admission to this course are subjected to an examination on the same amount of Mathematics as is required of candidates entering for a degree.

III. PHYSICS.

The laboratory of the Department of Physics offers instruction during the second half-year to a limited number of students, who show special aptitude for this study, and are desirous of familiarizing themselves with the construction and use of physical apparatus and with the means of investigation.

A course of experiments in Sound, Light, Heat, and Electricity, involving the principal phenomena and most important methods of measurement, has been arranged with reference to the needs of beginners. Apparatus available for more advanced students and for researches has been purchased recently, with the view of meeting the demand for special instruction in Physics.

IV. BOTANY.

Instruction in Botany is given by means of lectures. The course embraces the necessary morphological and physiological subjects, and is supplemented by practical class-work in which each student employs the microscope in examining specimens. Great stress is laid upon the importance of drawing from nature, and students are taught to make illustrative sketches.

Each student of botany is expected to pay a small fee for the cost of specimens used in class-work.

At the proper season excursions are made, under the guidance of the Professor, to neighboring points of botanical interest. At such times students are shown how to collect and preserve specimens.

The following works are recommended for reference: Gray's Botanical Text-Book, Gray's Manual of the Northern States, Sachs's Text-Book of Botany, Le Maout and De Caisne's General System of Botany, Bessey's Botany.

Under proper restrictions, the Herbaria are made accessible to students, for the determination and comparison of species; every courtesy will also be extended to visiting botanists who desire to consult them.

The Bailey Herbarium.

This collection, presented by Professor W. WHITMAN BAILEY, B. P., contains *eighteen hundred* specimens, and about *fifteen hundred* species, American and foreign. Besides the donor's own

personal collection, it contains many specimens from the herbarium of Mr. J. L. Queket, the distinguished English microscopist. It is rich in ferns.

"Herbarium Olneyanum."

This valuable collection, presented to BROWN UNIVERSITY by the will of the late STEPHEN THAYER OLNEY, of Providence, is estimated to number about *forty thousand* specimens ; it illustrates American botany, and is particularly rich in the plants of Rhode Island. The specimens are in good order for consultation.

Mr. Olney's botanical studies, continuing for many years, brought him into relations of active exchange with the leading collectors of this country. He also made large purchases of plants, and thus accumulated a valuable mass of material which it would now be difficult to duplicate. The correspondence which accompanies the herbarium covers a period of thirty or more years. It includes communications from Sir Joseph D. Hooker of Kew, Baron von Mueller of Melbourne, Professor Asa Gray, Professor John Torrey, Professor D. C. Eaton, Mr. Francis Boott, and other eminent botanists. Mr. Olney was an acknowledged authority on the difficult genus *Carex*, and his collection of sedges is one of great value. In the last years of his life he began a monograph of *Carex*, the notes of which, and the drawings by Mr. J. H. Emerson, accompany his bequest.

The Bennett Herbarium.

This valuable herbarium is the gift of Mr. JAMES LAWRENCE BENNETT, an accomplished amateur botanist of Providence.

It includes about *thirteen thousand* species, and probably over *thirty thousand* specimens, and has involved thirty years of assiduous labor in its accumulation. American botany is well represented, but the foreign specimens are the more numerous ; many of them are derived from remote and, in some cases, almost inaccessible regions of the globe.

The completeness with which the natural orders are illustrated, as well as the wide geographical range exhibited, make this herbarium an important addition to the means of instruction in the University.

V. ZOOLOGY AND GEOLOGY.

Zoology with especial reference to Palaeontology, is taught by lectures, laboratory work (forming a course of comparative anatomy), and by dredging and collecting excursions in Narragansett Bay and near the city, with especial reference to the local fauna.

Instruction in Geology is given by means of lectures and models, laboratory work and field excursions, with special reference to the geology, structural and economic, of Rhode Island.

Within the last three years there have been added for use in the lectures and laboratory work, several of Guyot's Physical wall maps; two Zentmeyer's Histological stands, with a number of objectives made by Gundlach; osteological preparations; a set of Sopwith's geological models; and a large model in plaster, in sections, made by the Hayden Survey, illustrating the geology of the Elk Mountains, Colorado. Besides these, a set of microscopic slides, of use in the study of lithology, has been purchased, as well as a collection of twenty sets of the more typical minerals and rocks for use by each student.

Besides field excursions near the city, the instructor has taken out a small party to the Western territories, and proposes occasionally to organize similar excursions to other parts of the country.

VI. AGRICULTURE.

The course of instruction in Agriculture includes the courses in the preparatory branches, Chemistry and Physics, Botany, Physiology, Zoology, and comparative Anatomy. It also includes special lectures on Agriculture. These relate to the study of soils

and applied economic Zoology. The course of instruction is illustrated by specimens from the Museum of Natural History, and by field excursions. It also includes practical instruction in obtaining and preserving specimens, and in taxidermy.

MUSEUM OF NATURAL HISTORY AND ANTHROPOLOGY

IN RHODE ISLAND HALL.

The Museum is under the care of Professor John W. P. Jenks. The collections it now contains, as classified and arranged by Professor Jenks, are as follows :

1. In Zoology, including skeletons for Comparative Anatomy,	
Quadrupeds,	200
Birds (500 mounted),	5,000
Reptiles and Fishes,	700
Insects,	10,000
Crustaceans,	1,000
Worms,	500
Mollusks,	13,500
Echinoderms,	150
Corals and Hydroids,	200
Sponges,	40
2. In Mineralogy, specimens,	9,809
3. In Geology and Palæontology, specimens,	5,000
4. Botany (miscellaneous collections),	500
(For account of Herbaria see pp. 42-43.)	
5. Indian Implements and Relics, specimens,	1,000
6. Implements and curiosities of other uncivilized peoples,	1,000
7. Coins and Medals,	3,000

LIBRARY.

The University Library, which is in the new fire-proof building erected by the munificence of the late John Carter Brown, now contains fifty-five thousand volumes, and seventeen thousand unbound pamphlets.

From the income of a permanent Library Fund, books are purchased under the direction of a joint committee of six persons, appointed annually by the Corporation and the Faculty of the University.

In term-time the Library is open from 10 A. M. to 4 P. M. on every week day except Saturday; on Saturdays it is open from 10 A. M. to 1 P. M. During vacations it is open on Saturdays.

“The members of the Corporation and of the Faculty, the Registrar, resident graduates, all donors to the funds of the University to the amount of five hundred dollars, residing in the city of Providence, together with any others to whom the Corporation or the Library Committee may grant the privilege, are entitled to the use of the Library without expense. The undergraduates are entitled to the use of the Library, and are charged therefor the sum of five dollars per annum.”

During the past year seventeen hundred and fifty volumes were added to the Library. Of this number, a thousand volumes came from a bequest of the late Joseph J. Cooke. The other donors to the Library during the year are as follows:

Joshua M. Addeman, Secretary of State; Ellis Ames, Canton, Mass.; American Antiquarian Society, Worcester; American Academy of Arts and Sciences, Boston; American Association for the Advancement of Science; American Pharmaceutical Association, Philadelphia; Professor J. H. Appleton; Archaeological Institute of America; J. N. Arnold, Editor of *Narragansett Hist. Journal*; Benjamin D. Bailey; R. A. Bayley, Washington; Robert Ballard, New York; Ira Berry, Portland; J. S. Billings, Office of Surgeon-General, U. S. A.; E. W. Blake, New Haven; Board of Editors of *Liber Brunensis*; Board of Education, Cincinnati; Boston City Government; Mrs. John Carter Brown; Brunonian Chapter of Alpha Delta Phi; Bunker Hill Monument Association; H. C. Burchard, Director of the Mint, Washington; Bureau of

Education, Washington ; Rev. Dr. H. S. Burrage, Portland ; Dr. C. W. Chamberlain, Hartford ; Chief of Ordnance, Washington ; Commission Géodésique de la Norvège ; Gen. George Lewis Cooke ; Benjamin Dean, Boston ; Rev. Dr. H. M. Dexter, Boston ; Departments of State, War, Treasury, Navy, and Interior, Washington ; Diplomatic Review, London ; George B. Dixwell, Boston ; James H. Dodge, City Auditor, Boston ; Rev. David Downie, Nellore ; Henry T. Drowne, New York ; Carl W. Ernst, Boston ; Richard J. Everett, Boston ; Fall River Public Library ; E. J. Farmer, Cleveland ; Dr. Charles H. Fisher, Sec. of State Board of Health ; William E. Foster, Librarian Public Library, Providence ; Capt. G. V. Fox, Washington ; Free Trade Association, London ; General Society of Mechanics and Tradesmen, New York ; Glasgow University, Scotland ; Grand Lodge of Free Masons, Boston ; Dr. Samuel A. Green, Mayor of Boston ; Librarian R. A. Guild ; Thomas R. Hazard, Newport ; Ray Greene Huling, Fitchburg ; President J. G. James, College Station, Texas ; Rev. W. A. Jarrel, Greenville, Texas ; Rev. Howard M. Jones ; H. V. A. Joslin, City Clerk, Providence ; Rev. Dr. Edward Judson, New York ; Moses King, Cambridge ; Williams Latham, Bridgewater ; J. Erasmus Lester ; Amos D. Lockwood ; James S. McDanolds, State Librarian, Trenton ; Mrs. Mary Mann, Boston ; Doct. J. J. Mason, Newport ; Massachusetts Historical Society, Boston ; Meteorologiske Institut, Christiania, Norway ; Rev. Richard Montague ; National Association of Wool Manufacturers, Boston ; New England Manufacturers and Mechanics Institute ; Old Residents Historical Association, Lowell ; T. S. Parvin, Iowa ; J. Lewis Peyton, Staunton, Va. ; E. C. Pickering, Cambridge ; Providence City Government ; Col. A. A. Rand, Boston ; President E. G. Robinson ; Prof. William A. Rogers, Cambridge ; Carl Schoenhof, Boston ; Seismological Society of Japan ; William L. Smith, Lansing, Mich. ; Smithsonian Institution, Washington ; Society for the Preservation of Niagara Falls ; United States Naval Observatory, Washington ; Rev. Edwin S. Walker, Springfield ; Rev. Dr. J. G. Warren, Newton ; B. Westermann & Co., New York.

PUBLIC WORSHIP.

The exercises of every day commence with reading of Scripture, singing and prayer in the College Chapel. All students are also required to attend public worship on Sunday, each one reporting to the President, at the beginning of the term, the church which he will attend.

COLLECTION OF PORTRAITS.

Through the liberality of the friends of the College, many portraits have been presented to it; the most of them are deposited in the picture-gallery in Rhode Island Hall. The collection includes portraits of benefactors of the University, of some of its former officers, and of men whose names are conspicuous in the earlier or the more recent annals of Rhode Island.

This collection has been greatly enriched in late years by portraits presented through a committee appointed by the Alumni "for the purpose of procuring and placing within the walls of Brown University, the portraits of her Presidents, Professors, distinguished graduates and benefactors."

GYMNASIUM.

Students may have the use of the gymnasium of the Young Men's Christian Association, a gymnasium recently organized and equipped with a large amount of the best forms of apparatus, and presided over by a competent teacher of gymnastic exercises.

By the terms of the arrangement the individual student pays a small fee to the Association, and the Corporation pays the additional sum necessary.

SEMI-ANNUAL EXAMINATIONS.

Examinations of all the classes are held at the close of each half-year.

Some examinations are conducted by writing, some are oral, while in certain cases the same class is subjected to both tests. If, upon examination in a given study, a student receives a mark which is less than one-half the maximum, he fails to "pass" in that study, and must prepare himself for a subsequent examination. Failing in three studies he is required either to leave college or to drop back into another class.

Committees of Examination have been appointed for the several departments as follows :

1. Greek.

Rev. Thatcher Thayer, D. D.	Merrick Lyon, LL. D.
Rev. Heman Lincoln, D. D.	Edward H. Cutler, A. M.
Rev. John B. G. Pidge, A. M.	

2. Latin.

Rev. John C. Stockbridge, D. D.	Horatio N. Slater, Jr., A. M.
Alexander Farnum, A. M.	Frederick W. Tilton, A. M.
Charles B. Goff, A. M.	Rev. C. H. Wheeler, A. M.

3. German.

Rev. Alvah Hovey, D. D.	Samuel W. Peckham, A. M.
Stephen H. Arnold, Esq.	Rev. Carl W. Ernst, A. M.
Gustav Radeke, M. D.	Joseph C. Ely, LL. B.

4. French.

William Goddard, A. M.	Edward T. Caswell, M. D.
Edwin M. Snow, M. D.	Howard M. Rice, A. M.
David W. Hoyt, A. M.	

5. Rhetoric and English Literature.

Rev. Adoniram J. Gordon, D. D.	Rev. J. G. Vose, D. D.
Rt. Rev. Thomas M. Clark, D. D.	Rev. S. D. Phelps, D. D.
J. Carter Brown Woods, LL. B.	

6. Physiology.

Edwin M. Snow, M. D.	Oliver C. Wiggin, M. D.
S. S. Keene, M. D.	L. W. Russell, Esq.

7. Physics.

Hon. Rowland Hazard, A. M.	Prof. George I. Chace, LL. D.
William A. Mowry, A. M.	Hon. Samuel Powel.
Arnold B. Chace, A. M.	Prof. John Peirce, A. M.
George H. Corliss, A. M.	

8. History and Political Economy.

Hon. Charles S. Bradley, LL. D.	Prof. William Gammell, LL. D.
Hon. John R. Bartlett, LL. D.	Rev. Augustus Woodbury, A. M.

9. Intellectual and Moral Philosophy.

Rev. Alva Woods, D. D.	Rowland G. Hazard, LL. D.
Rev. Alvah Hovey, D. D., LL. D.	Prof. George I. Chace, LL. D.
Rev. Daniel Leach, D. D.	

10. Mathematics and Astronomy.

Hon. William F. Sayles.	Charles P. Robinson, A. M.
J. Herbert Shedd, Esq.	Edward Pearce, Jr., A. M.
Emory Lyon, M. D.	William T. Peck, A. M.

11. Chemistry.

Arnold B. Chace, A. M.	Marshall Woods, M. D.
Prof. John Peirce, A. M.	Amasa M. Eaton, LL. B.

12. Logic.

Rev. A. H. Granger, D. D. Hon. Thomas Durfee, LL. D.
 William W. Douglas, LL. B. Rev. Elias H. Johnson, D. D.

EXPENSES.

The necessary college expenses for the year are as follows :

		LOWEST.	HIGHEST.
Tuition, - - - -		\$100 00	\$100 00
Rent of single rooms from \$30 to \$70, accord-			
ing to location, - - -	15 00		
Rent of suites of rooms from \$100 to \$170,			85 00
Use of library, - - -	5 00	5 00	
Registrar's salary, - - -	4 00	4 00	
Public fuel, } Charged at cost, }			
Servants' hire, } but average }	22 00	22 00	
Printing, } about }			
		<hr/>	<hr/>
		\$146 00	\$216 00

If a student occupies a whole room or suite, he pays rent for the whole, and his charge for servants' hire is doubled.

The total expenses of students per year will vary, of course, according to their habits, tastes, and means, some students expending more than double and even treble the amounts of others.

Upon admission to College, every student is charged a matriculation fee of \$5.00.

The term bills are paid strictly in advance, at the commencement of each half-year.

Board is not furnished in College. The Registrar keeps a list of the names of families in the city by whom board is furnished to students. The following are the usual rates :

Board at from \$3.00 to \$5.00 per week. By the formation of

boarding clubs, students are enabled to obtain board at a reduced cost. (The larger proportion of students pay at present about \$3.00 per week for board.) Board, with furnished rooms, in private families, from \$5.00 to \$10.00 per week.

The foregoing estimate for tuition does not include the fees for instruction in Analytical Chemistry.

The expenses of a student who takes a course of study of two hours daily in the Chemical Laboratory, are (for each half-year) as follows :

Instruction,	\$16 66
Gas, Chemicals, etc.,	18 34
Breakage (varying with the student's care), about	3 00
	<hr/>
	\$38 00

Students who take courses of four hours or of six hours daily, pay respectively double or treble the above amounts.

PECUNIARY AID TO STUDENTS.

Scholarships.

Among the various forms of aid offered to students, there are about one hundred scholarships.

There are *sixty-four* Scholarships of One Thousand Dollars each, the income of which is given, under the direction of a committee appointed by the Corporation, to meritorious students who may need pecuniary assistance; *but a scholarship is forfeited if the candidate incurs college censure, or fails to secure at least seventy-five per cent. of the maximum marking.*

The Nicholas Brown Scholarships. Eleven, founded by a bequest made by Nicholas Brown.

The University Scholarships. Four, from College funds appropriated by the Corporation to this use.

The President's Scholarship. Founded by Barnas Sears, when President of the College.

Alva Woods Scholarships. Six, founded by Alva Woods.

James H. Duncan Scholarship. Founded by James H. Duncan.

Isaac Davis Scholarship. Founded by Isaac Davis.

Arnold Whipple Scholarship. Founded in memory of Arnold Whipple, by Mrs. Arnold Whipple.

Ephraim Wheaton Scholarship. Founded by James Wheaton.

Joseph Brown Scholarship. Founded by Mrs. E. B. Rogers.

Gardner Colby Scholarship. Founded by Gardner Colby.

James Y. Smith Scholarship. Founded by James Y. Smith.

S. S. Bradford Scholarships. Two, founded by S. S. Bradford.

Frances R. Arnold Scholarship. Founded by Mrs. Frances R. Arnold.

Cornelia E. Green Scholarship. Founded by Mrs. Cornelia E. Green.

Crocker Scholarship. Founded by Robert H. Ives and Thomas P. Ives, trustees.

Clark Scholarship. Founded by Robert H. Ives and Thomas P. Ives, trustees.

Albert Day Scholarship. Founded by Albert Day.

Henry P. Kent Scholarship. Founded by Henry P. Kent.

Romeo Elton Scholarship. Founded by Romeo Elton.

Annie E. Waters Scholarships. Five, founded by Mrs. Annie E. Waters.

L. Fairbrother Scholarship. Founded by Mrs. L. Fairbrother.

George Lawton Scholarship. Founded by George Lawton.

John P. Crozer Scholarship. Founded by Mrs. Margaret Bucknell.

Horatio N. Slater Scholarship. Founded by Horatio N. Slater.

Earl P. Mason Scholarship. Founded by Earl P. Mason.

Newport Scholarship. Founded by William Sanford Rogers.

Alexis Caswell Scholarship. Founded by Alexis Caswell.

George K. and H. A. Pevear Scholarship. Founded by George K. and H. A. Pevear.

Joseph C. Hartshorn Scholarship. Founded by Joseph C. Hartshorn.

Rogers High School Scholarship. Founded by William Sanford Rogers.

James Wheaton Scholarship. Founded by James Wheaton.

Charles Thurber Scholarship. Founded by Charles Thurber.

Pardon Miller Scholarship. Founded by Mrs. Ann. E. Miller.

Hezekiah S. Chase Scholarship. Founded by Hezekiah S. Chase.

William Bucknell Scholarship. Founded by William Bucknell.

Austin Merrick Scholarship. Founded by Mrs. Olive E. Merrick.

Jackson Scholarships. Three, founded by Henry Jackson.

Mumford Scholarship. Founded by Mrs. Louisa D. Mumford.

Henry Clifford Knight Scholarship. Founded by Miss Amelia S. Knight, in memory of her brother, a member of the Class of 1875.

Besides the above scholarships, there are others, the assignment of which is made subject to special provisions. These are as follows :

The Bartlett Scholarship. Founded by MRS. ELIZABETH SLATER BARTLETT, by a gift of four thousand dollars, the income of which is to be "devoted to the support of one or more students needing pecuniary aid, and giving promise by studious aims and by character and scholarship of rising to distinction and usefulness."

The Glover Scholarships. Founded by a gift of five thousand

dollars from HENRY R. GLOVER, "in memory of his father, SAMUEL GLOVER, a graduate of the College, of the Class of 1808, and of his brother, SAMUEL GLOVER, JR., of the Class of 1839." Assignment is made upon the basis of character and attainments.

The Scholarship of the Class of 1838, of thirty-eight hundred dollars. Founded by members of THE CLASS of 1838, and also assigned upon the basis of character and scholarship.

Scholarships of the Department of Agriculture. By Resolutions of the General Assembly of the STATE OF RHODE ISLAND, the national grant, "for the benefit of Agriculture and the Mechanic Arts," was given to Brown University; and the fund of fifty thousand dollars, which has accrued from this grant, is by agreement on the part of the University devoted to the education "of scholars, each at the rate of one hundred dollars per annum, to the extent of the entire annual income." Appointments to these scholarships are made, on the nomination of the General Assembly, by the Governor and Secretary of State, in conjunction with the President of the University.

The Philadelphia Alumni Scholarship. This scholarship has been created by the gift, from the "PHILADELPHIA ALUMNI ASSOCIATION OF BROWN UNIVERSITY," of the sum of fifteen hundred dollars. The award of this scholarship is to be in accordance with the following conditions:

"1st. That the scholarship be not confined to candidates for any one calling, or to the members of any one denomination.

"2d. That it be conferred on the basis of high attainments, mental and moral, and be, so far as practicable, open to competition, so that the possession of the scholarship shall testify to the qualifications of the possessor, and that it be limited to members of the two higher classes."

The Joseph Charles Hartshorn Scholarship. This is a second scholarship, founded by a gift of two thousand dollars, from the gentleman whose name it bears. The annual award is made in accordance with certain conditions prescribed by the donor.

The Sherman Scholarships. These are named *the George J. Sherman Scholarship Number One*, and *the George J. Sherman Scholarship Number Two*. They are founded by the gift of two thousand dollars from the gentleman whose name they bear. Their assignment is subject to certain special conditions prescribed for each by the donor.

Aid Fund.

This is a fund of several thousand dollars, the income of which is applied — either by loan or by gift — to the assistance of deserving young men of limited means.

PREMIUMS.

I. For Excellence in Preparatory Studies.

The President's Premiums. These are derived from the income of a fund presented by the REV. FRANCIS WAYLAND, D. D., while President of the University. They are awarded to those members of the Freshman Class, candidates for the degree of Bachelor of Arts, or of Bachelor of Philosophy, who are found, *upon special examination*, to have attained the highest excellence in the classical studies preparatory to admission to College. They are fixed by statute as follows :

A First Premium of fifteen dollars, and a second of ten dollars, for excellence in the Greek language.

A First Premium of fifteen dollars, and a second of ten dollars, for excellence in the Latin language.

The competitors are examined in the classical studies required as preparatory for admission to the College.

This year (1883), the award of these premiums was as follows :

Greek.

The First Premium to CLARENCE AUGUSTUS CARR, instructed by F. W. Tilton, A. M., in the Rogers High School, Newport.

The Second Premium to JOSEPH COOKE SMITH, instructed by William T. Peck, A. M., in the Providence High School.

Latin.

The First Premium to BENIAH LONGLEY WHITMAN, instructed by W. H. White, A. M., in the Worcester Academy.

The Second Premium to WILLIAM OVERTON, JR., instructed by William T. Peck, A. M., in the Providence High School.

Mathematics.

The Hartshorn Premiums. These are derived from the income of a fund of one thousand dollars presented by JOSEPH C. HARTSHORN, A. M., of the class of 1841 ; this income is appropriated to *three premiums*.

These are awarded to those members of the Freshman Class who are found, upon examination, to have excelled in the preparatory mathematical studies.

This year (1883), these Premiums were awarded as follows :

The First Premium to CLARENCE AUGUSTUS CARR, instructed by F. E. Thompson, A. M., in the Rogers High School, Newport.

The Second Premium to WALTER REUBEN SCOTT, instructed by Emory Lyon, A. M., in the University Grammar School, Providence.

The Third Premium to DANA CARLETON MUNRO, instructed by George H. Coffin, A. B., in Mowry & Goff's English and Classical School, Providence.

II. For Excellence in College Studies.

Carpenter Prizes for Elocution. These are: A First Prize of *sixty* dollars. A Second Prize of *thirty-six* dollars. A Third Prize of *twenty-four* dollars.

They are derived from the income of a fund established by THOMAS CARPENTER. They are awarded annually to the three members of the Sophomore Class to whom shall be assigned respectively the first, second, and third rank of excellence in elocution. The assignment is made by a committee appointed for the purpose, and after trial at a public exhibition given on the Monday evening before Commencement.

The competitors must be members of the Sophomore Class; they may declaim pieces in prose or verse, selected from English authors, but their selections must be approved by the Professor of Rhetoric; they must enter their names with this professor not later than on the tenth day before the exhibition.

The Committee of Award will consist of five members, and will be formed as follows: the Professor or Instructor in Elocution, who will be the Chairman, two persons elected by the Corporation, also two elected by the Sophomore Class during the first term of the year, it being understood that no one who is or has been a member of the class is eligible.

The Committee for 1883 awarded the prizes as follows:

The First, to HARRY OLIN ALEXANDER.

The Second, to NORMAN STAUNTON DIKE.

The Third, to HENRY JOHNS RHETT.

The Carpenter Premiums. These afford two premiums of sixty dollars each, derived from the income of a fund established by THOMAS CARPENTER and LYDIA CARPENTER.

These premiums are assigned at the *end of the Senior year*, to the two members of the Senior Class, who, "already on Scholarships, shall, in the judgment of the Faculty, unite in the highest

degree the three most important elements of success in life, ability, character and attainment."

For the year 1882-83 the Carpenter Premiums were awarded to

ISAAC BRONSON BURGESS

and

HENRY PARKER MANNING.

The Howell Premium. This fund, amounting to one thousand dollars, was presented by the late GAMALIEL LYMAN DWIGHT. The income is given, at the *close of the first half of the Junior year*, to the student who, "having a good record of deportment, has the highest rank in Mathematics and Natural Philosophy."

For the year 1882-83 this premium was awarded (February, 1883), to

ALFRED DODGE COLE.

The Dunn Premium. This fund, amounting to something over eight hundred dollars, was presented by pupils and friends of the late PROFESSOR ROBINSON POTTER DUNN, D. D., the income to be given, at the *end of the Junior year*, to the student having the highest standing in rhetorical studies.

For the year 1882-83 this premium was awarded to

LEONIDAS RAYMOND HIGGINS.

Class of 1873 Fund. This fund, amounting to five hundred dollars, was presented to the University by THE CLASS of 1873, on the condition that its income should be devoted to constituting a prize for an Essay. The prize is annually offered for competition to members of the Senior Class.

On Commencement Day, June 21, 1883, the President announced the prize as assigned to the essay written by

JOEL NELSON ENO.

The Foster Premium. This premium is derived from the income of a fund of three thousand dollars bequeathed to the University by the late HON. LA FAYETTE SABINE FOSTER, LL. D., of the Class of 1828.

In accordance with the terms of the will of the donor, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third, and twenty-fourth books of Homer's Iliad, or in the Oration on the Crown by Demosthenes."

The next examination, open to the members of the Senior Class, will be held early in May, 1884. Candidates will be examined in the Oration on the Crown.

On Commencement Day, June 20, 1883, the President announced the prize as awarded to

WILSON GARDNER CROSBY.

COMMENCEMENT HONORS IN THE CLASS OF 1883.

The Valedictory Address, WILSON GARDNER CROSBY.

The Salutatory Oration, EDWARD CASPER STOKES.

The Philosophical Oration, ISAAC BRONSON BURGESS.

The Classical Oration, ALFRED WILLIAMS ANTHONY.

DEGREES CONFERRED IN 1883.

THE DEGREE OF BACHELOR OF ARTS.

ON THE FOLLOWING MEMBERS OF THE CLASS OF 1883.

JOHN ALDRICH,

EDWIN PIERCE ALLEN,

ALFRED WILLIAMS ANTHONY,

ARTHUR EATON BAKER,

SHARONTON HALE BAKER,
ABRAM BARKER,
IRA BARROWS,
FRANK ELI BROOKS,
JAMES ALBERT BROWN,
ISAAC BRONSON BURGESS,
JONATHAN IRVIN CHAFFEE,
WILSON GARDNER CROSBY,
LEWIS DEXTER, JR.,
ELIAS FASSETT DUNLEVY,
ELISHA DYER, 3d,
JOEL NELSON ENO,
ALFRED WILLIAM FITZ,
CLARENCE GARDNER,
MOSES CLEMENT GILE,
HENRY STEDMAN GRAVES,
RAY WOODVILLE GREENE,
SAMUEL STUART GREENE,
JAMES EUGENE HAMILTON,
CLIFFORD ANGELL HARRINGTON,
NICHOLAS HATHEWAY, JR.,
JOSEPH MELZAR HOBBS.
ISA HENRY LEVEEN,
EMORY STEVENS LYON,
HENRY PARKER MANNING,
ARTHUR MAY MOWRY,
HOWARD WILLIS PRESTON,
MICHAEL JOSEPH QUIGLEY,
CHARLES MUNROE SHELDON,
FRANK LUCIUS SHEPARDSON,
FRANCIS WAYLAND SHEPARDSON,
RICHARD OTIS SHERWOOD,
EDGAR OSCAR SILVER,
WILLIAM EDWARD SIMONDS,
SYLVESTER MILLER SNOW,
EDWARD CASPER STOKES,
MARTIN WALTER TWING,
FREDERIC ELLSWORTH WHITTEMORE,
CLARENCE OTIS WILLIAMS,
WILLIAM FREDERIC WILLIAMS.

THE DEGREE OF BACHELOR OF PHILOSOPHY,

ON THE FOLLOWING MEMBERS OF THE CLASS OF 1883:

NATHANIEL BROWN BLAISDELL,
HERBERT ANTHONY BOWEN,
JAMES HENRY DAVENPORT,
SIMEON RYARSON LEACH,
ALEXANDER DUNCAN LEETE,
CHARLES MELVIN LEONARD,
CHARLES BATEMAN LUTHER,
LUCIUS POND ORDWAY.

THE DEGREE OF MASTER OF ARTS,

ON

OTIS OSGOOD ORDWAY, of the Class of 1874.
HENRY MATURIN BALLOU, of the Class of 1877,
JOHN CYRUS THOMS, of the Class of 1878,
GEORGE FRANCIS COMSTOCK, of the Class of 1879,

And on the following members of the Class of 1880:

AUGUSTUS LEVI ABBOTT,
JAMES AUSTIN,
JOHN TAGGARD BLODGETT,
JAMES WALLACE DARROW,
SAMUEL SLATER DURFEE,
FRANK EUSTACE FITZ,
GEORGE STEPHEN GOODSPEED,
WALTER SIDNEY MEADER.
EDGAR PERRY,
JAMES TOBEY PIKE,
J. LEE RICHMOND,
GEORGE WILLIAM RIGLER,
SIDNEY WHITE RIVENBURG,
BENJAMIN FRANKLIN THURSTON.
WILLIAM RAMSAY TROTTER,
FREDERIC JOHNSON CLEGG WALTON.

HONORARY DEGREES.

MASTER OF ARTS,

ON

DANIEL WEBSTER ABERCROMBIE,
ALFRED MASON WILLIAMS.

THE DEGREE OF DOCTOR OF DIVINITY,

ON

AZEL DOW COLE, D. D., of the Class of 1838,
EDWARD SUMNER ATWOOD, of the Class of 1852,
GRANVILLE SHARP ABBOTT, of the Class of 1860,
HENRY SWEETSER BURRAGE, of the Class of 1861.

THE DEGREE OF DOCTOR OF LAWS,

ON

HAMILTON BARCLAY STAPLES, of the Class of 1851.

CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

BROWN UNIVERSITY

1884-5.



PROVIDENCE:

PROVIDENCE PRESS COMPANY, PRINTERS.

1884.

ISSUED, NOVEMBER, 1884.

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1884-85.

1884	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.	1885	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.	1885	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.
July.	..	..	1	2	3	4	5	Jan.	..	..	..	..	1	2	3	July.	..	..	..	1	2	3	4
	6	7	8	9	10	11	12		4	5	6	7	8	9	10		5	6	7	8	9	10	11
	13	14	15	16	17	18	19		11	12	13	14	15	16	17		12	13	14	15	16	17	18
	20	21	22	23	24	25	26		18	19	20	21	22	23	24		19	20	21	22	23	24	25
	27	28	29	30	31	..	..	Feb.	25	26	27	28	29	30	31		26	27	28	29	30	31	..
Aug.	..	..	..	..	..	1	2		..	..	..	..	..	..	..	Aug.	..	..	..	..	..	..	1
	3	4	5	6	7	8	9		1	2	3	4	5	6	7		2	3	4	5	6	7	8
	10	11	12	13	14	15	16		8	9	10	11	12	13	14		9	10	11	12	13	14	15
	17	18	19	20	21	22	23		15	16	17	18	19	20	21		16	17	18	19	20	21	22
	24	25	26	27	28	29	30		22	23	24	25	26	27	28		23	24	25	26	27	28	29
	31	..	..	..	..	..	..		..	..	..	..	..	..	..		30	31	..	..	..	..	..
Sept.	..	1	2	3	4	5	6	Mar.	1	2	3	4	5	6	7	Sept.	..	..	1	2	3	4	5
	7	8	9	10	11	12	13		8	9	10	11	12	13	14		6	7	8	9	10	11	12
	14	15	16	17	18	19	20		15	16	17	18	19	20	21		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		22	23	24	25	26	27	28		20	21	22	23	24	25	26
	28	29	30	..	..	..	..		29	30	31	..	..	..	..		27	28	29	30	..	..	..
Oct.	..	..	..	1	2	3	4	April.	..	..	..	1	2	3	4	Oct.	..	..	..	..	1	2	3
	5	6	7	8	9	10	11		5	6	7	8	9	10	11		4	5	6	7	8	9	10
	12	13	14	15	16	17	18		12	13	14	15	16	17	18		11	12	13	14	15	16	17
	19	20	21	22	23	24	25		19	20	21	22	23	24	25		18	19	20	21	22	23	24
	26	27	28	29	30	31	..		26	27	28	29	30	..	..		25	26	27	28	29	30	31
	..	..	..	..	..	..	1		..	..	..	..	..	1	2		..	..	..	..	..	..	..
Nov.	2	3	4	5	6	7	8	May.	3	4	5	6	7	8	9	Nov.	1	2	3	4	5	6	7
	9	10	11	12	13	14	15		10	11	12	13	14	15	16		8	9	10	11	12	13	14
	16	17	18	19	20	21	22		17	18	19	20	21	22	23		15	16	17	18	19	20	21
	23	24	25	26	27	28	29		24	25	26	27	28	29	30		22	23	24	25	26	27	28
	30	..	..	..	..	..	..		31	..	..	..	..	..	..		26	30	..	..	..	..	..
Dec.	..	1	2	3	4	5	6	June.	..	1	2	3	4	5	6	Dec.	..	..	1	2	3	4	5
	7	8	9	10	11	12	13		7	8	9	10	11	12	13		6	7	8	9	10	11	12
	14	15	16	17	18	19	20		14	15	16	17	18	19	20		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		21	22	23	24	25	26	27		20	21	22	23	24	25	26
	28	29	30	31	..	..	..		28	29	30	..	..	..	..		27	28	29	30	31	..	..

COLLEGE CALENDAR FOR 1884-85.

1884.

- September 3,* *Wednesday.* Annual Meeting of the Corporation.
- September 17,* *Wednesday.* Academic Year begins (third Wednesday in September).
- November 27,* *Thursday.* Thanksgiving Day. No College exercises on Thursday, Friday and Saturday of Thanksgiving week.
- Christmas Holidays, from evening of Tuesday, December 23, 1884, to evening of Monday, January 5, 1885.

1885.

- January 22-28,* *Thursday to Wednesday.* Semi-Annual Examination of College Classes.
- January 29,* *Thursday.* Second Half-year Begins.
- February 23,* *Monday.* Observed as Washington's Birthday. No College exercises.
- Spring Recess, Saturday, March 28, to Monday evening, April 6.
- May 18-23,* *Monday to Saturday.* Examination of Senior Class.
- May 29,* *Friday.* Decoration Day. No College exercises.

<i>June 5-11,</i>	<i>Friday to Thursday.</i> Semi-Annual Examinations of College Classes.
<i>June 12,</i>	<i>Friday.</i> Class Day.
<i>June 14,</i>	<i>Sunday.</i> Baccalaureate Sermon.
<i>June 15,</i>	<i>Monday.</i> Sophomore Prize Declamation.
<i>June 16,</i>	<i>Tuesday.</i> Annual Meeting of the Phi Beta Kappa Society, 9.30 A. M.
<i>June 16,</i>	<i>Tuesday.</i> Annual Alumni Meeting, in Manning Hall, at 4 P. M.
<i>June 17,</i>	<i>Wednesday.</i> One hundred and seventeenth annual Commencement (third Wednesday in June).
<i>June 18,</i>	<i>Thursday.</i> Meeting of the Corporation.
<i>June 18, 19, 20,</i>	<i>Thursday, Friday, Saturday.</i> Examinations for admission to College.
	Summer Vacation.
<i>September 2,</i>	<i>Wednesday.</i> Annual Meeting of the Corporation, in Manning Hall (first Wednesday in September).
<i>September 14, 15,</i>	<i>Monday, Tuesday.</i> Examination of Delinquents in College Studies.
<i>September 14, 15,</i>	<i>Monday, Tuesday.</i> Examinations for admission to College.
<i>September 16,</i>	<i>Wednesday.</i> Academic Year Begins.

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FRANCIS A. GASKILL, A. M.

ADIN B. UNDERWOOD, A. M.

ROBERT IVES GAMMELL, A. M.

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AND
OTHER OFFICERS.

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PRESIDENT,

Professor of Moral and Intellectual Philosophy,
51 College Street.

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Hazard Professor of Physics,
59 George Street.

* *Elton Professor of Natural Theology.*

JOHN WHIPPLE POTTER JENKS, A. M.,

Professor of Agricultural Zoölogy, and Curator of the Museum,
Middleboro', Mass.

ALONZO WILLIAMS, A. M.,

Professor of Modern Languages,
10 Cushing Street.

* At present, instruction in Natural Theology is given by the PRESIDENT of the University.

WILLIAM CAREY POLAND, A. M.,

Assistant Professor of Latin and Greek,
12 Barnes Street.

ALPHEUS SPRING PACKARD, M. D., PH. D.,

Professor of Zoölogy and Geology,
115 Angell Street.

NATHANIEL FRENCH DAVIS, A. M.;

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53 Daboll Street.

WILLIAM WHITMAN BAILEY, B. P.,

Professor of Natural History (Botany), and Curator of the Herbaria,
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Professor of History and Political Economy,
45 South Angell Street.

WINSLOW UPTON, A. M.,

Professor of Astronomy,
27 Lloyd Street.

HOWARD MALCOM TICKNOR, A. M.,

Instructor in Elocution,
Boston, Mass.

CHARLES VALUE CHAPIN, M. D.,

Instructor in Physiology,
36 Olive Street.

WILSON GARDNER CROSBY, A. B.,

Instructor in Modern Languages,
104 John Street.

FREDERIC ALEXANDER HILL,

Assistant Instructor in Analytical Chemistry,
Pawtucket.

HERMON CAREY BUMPUS, B. P.,

Assistant in the Museum and the Zoölogical Laboratory,
31 George Street.

REUBEN ALDRIDGE GUILD, LL. D.,

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34 Pratt Street.

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Assistant Librarian,
325 Friendship Street.

GILMAN PARKER ROBINSON,

Registrar,
51 College Street.

ARCHIBALD GRANT DELANEY,

Steward,
32 Amy Street.

RESIDENT GRADUATE.

Frank Howard Andrews, A. B., *Providence*,

12 Portland St.

SENIOR CLASS.

NAME.	RESIDENCE.	ROOM.
Harlan Page Abbott,	<i>Antrim, N. H.,</i>	Hope, 6.
Harry Olin Alexander,	<i>Bellows Falls, Vt.,</i>	University, 18.
Lyndon Laroy Anderström,	<i>Bristol,</i>	University, 31.
Arthur Channing Barrows,	<i>Providence,</i>	Hope, 32.
Lloyd Morton Blodgett,	<i>Pawtucket,</i>	Pawtucket.
Francis Hail Brown,	<i>Warwick,</i>	104 Eddy St.
William Chamberlain Burwell,	<i>Saxton's River, Vt.,</i>	University, 9.
Theron Harlow Carter,	<i>Charlemont, Mass.,</i>	Hope, 24.
Elmer Case,	<i>Collinsville, Conn.,</i>	Hope, 32.
Duncan Alexander Cattanach,	<i>Providence,</i>	Angell Place.
Ward Beecher Chase,	<i>Portland, Me.,</i>	University, 9.
Elam Lewis Clarke,	<i>Grafton, Vt.,</i>	University, 19.
Frank Leslie Day,	<i>Keene, N. H.,</i>	University, 10.
Charles Owen Dexter,	<i>Nayatt,</i>	Nayatt.
Norman Staunton Dike,	<i>Brooklyn, N. Y.,</i>	Slater, 3.
John Byron Diman,	<i>Providence,</i>	Hope, 34.
Charles Thomas Eaton,	<i>Needham, Mass.,</i>	Hope, 4.
Walter Goodnow Everett,	<i>Southampton, N. H.,</i>	Hope, 13.
Amory Prescott Folwell,	<i>Brooklyn, N. Y.,</i>	Slater, 19.
Joseph Wood Freeman,	<i>Central Falls,</i>	Hope, 2.
Ferdinand Courtney French,	<i>Providence,</i>	Hope, 6.
Edgar Homer Grout,	<i>Hopkinton, Mass.,</i>	Hope, 36.

NAME.	RESIDENCE.	ROOM.
Charles Henry Hare,	<i>Suffield, Conn.,</i>	Hope, 23.
Walter Hayward,	<i>Providence,</i>	11 Linden St.
John Calder Hebden,	<i>Providence,</i>	Hope, 21.
Crawford Hill,	<i>Denver, Col.,</i>	Slater, 3.
Charles Chambers Hitchcock,	<i>Foxboro', Mass.,</i>	University, 16.
Clarence Littlefield,	<i>Block Island,</i>	Slater, 11.
Joseph Haley Lord,	<i>Wells, Me.,</i>	Hope, 24.
Edward Fairfield Lovejoy,	<i>Burrillville,</i>	Hope, 40.
George Stitzel Mathews,	<i>Temple, Penn.,</i>	Hope, 21.
Frank Mauran, Jr.,	<i>Providence,</i>	Hope, 34.
Charles Herbert McIntire,	<i>Lowell, Mass.,</i>	Slater, 5.
Francis Albert McLane,	<i>Providence,</i>	263 Washington St.
James Charles Monaghan,	<i>Providence,</i>	27 Florence St.
Frank Edwin Peckham,	<i>Providence,</i>	53 Greenwich St.
James Monroe Pendleton, 2d,	<i>Westerly,</i>	Hope, 37.
William Pratt,	<i>Pawtucket,</i>	Pawtucket.
Charles Franklin Reed,	<i>South Abington, Mass.,</i>	Hope, 5.
Edgar Wilson Remington,	<i>River Point,</i>	Hope, 8.
Henry Johns Rhett,	<i>Providence,</i>	Slater, 20.
Knight Cheney Richmond,	<i>Providence,</i>	Hope, 3.
Norman Leonard Richmond,	<i>Middleboro', Mass.,</i>	Hope, 9.
Clifford Phetteplace Seagrave,	<i>Providence,</i>	Hope, 2.
William Henry Shedd,	<i>Providence,</i>	18 Thayer St.
Elmer Ellsworth Silver,	<i>Derby, Vt.,</i>	University, 12.
Henry Reuben Skinner,	<i>Watertown, Mass.,</i>	University, 31.
Charles Morris Smith, Jr.,	<i>Providence,</i>	114 Benevolent St.
Noah Beazelle Smith,	<i>Washington, D. C.,</i>	University, 22.
Howard Kemble Stokes,	<i>Millville, N. J.,</i>	University, 43.
Samuel Slater Stone,	<i>Gloucester,</i>	Hope, 40.
Arthur Preston Sumner,	<i>Providence,</i>	Trinity Square.
Orray Taft,	<i>Pawtucket,</i>	2 Prospect St.
Frank Locke Titcomb,	<i>Providence,</i>	22 Nichols St.
Ashbel Tingley Wall,	<i>Providence,</i>	University, 35.
Andrew McCorrie Warren,	<i>Fall River, Mass.,</i>	134 Bridgham St.
Henry Knowles Wilbur,	<i>Andover, Mass.,</i>	Hope, 12.
Horatio Gates Wood,	<i>Newport,</i>	Slater, 20.

JUNIOR CLASS.

NAME.	RESIDENCE.	ROOM.
Howard Almy,	<i>Providence,</i>	75 Angell St.
William Henry Beattie,	<i>Fall River, Mass.,</i>	University, 19.
William Henry Bennett,	<i>Fitchburg, Mass.,</i>	Hope, 9.
Charles Wesley Boardman,	<i>Pawtucket,</i>	68 High St.
Charles Albert Briggs,	<i>Brockton, Mass.,</i>	Hope, 5.
Dana Ripley Bullen,	<i>Pawtucket,</i>	Pawtucket.
Edward Clifton Burnham,	<i>Pawtucket,</i>	Pawtucket.
Clarence Everett Bury,	<i>Fall River, Mass.,</i>	Hope, 39.
David Henry Chandler,	<i>Little Britain, N. Y.,</i>	University, 41.
Thomas Sessions Cole,	<i>Seekonk, Mass.,</i>	Seekonk.
Asa Clinton Crowell,	<i>Cumberland Mills,</i>	Cumberland Mills.
Amos Lockwood Danielson,	<i>Providence,</i>	160 Waterman St.
Frederic William Davis,	<i>Central Falls,</i>	168 Central St.
Henry Lexington Everett,	<i>Worcester, Mass.,</i>	University, 53.
William Burnside Frackelton,	<i>Providence,</i>	49 Althea St.
Otis Allen Freeman,	<i>Worcester, Mass.,</i>	Hope, 31.
Henry Frink,	<i>Preston City, Conn.,</i>	Hope, 44.
William Henry Frost,	<i>Providence,</i>	124 Smith St.
Daniel Hunt Fuller,	<i>Providence,</i>	48 Transit St.
Edward Alvah Godding,	<i>Providence,</i>	University, 48.
George Grime,	<i>Fall River, Mass.,</i>	Hope, 26.
Norman Gunderson,	<i>Providence,</i>	35 Pitman St.
Edward Leroy Gunn,	<i>Fort Scott, Ks.,</i>	University, 48.
Samuel Willis Hamblen,	<i>Holden, Mass.,</i>	Hope, 30.
Stephen Cushing Harris,	<i>Providence,</i>	90 Angell St.
Herbert Wade Hibbard,	<i>Providence,</i>	Hope, 15.
Norman Morrison Isham,	<i>Providence,</i>	1 Major St.
James Wager Johnson,	<i>New York City, N. Y.,</i>	University, 55.
Isaac Gifford Ladd,	<i>Brooklyn, N. Y.,</i>	University, 43.
William Albert Lane,	<i>Philadelphia, Penn.,</i>	University, 25.
Charles Engs Lawton,	<i>Newport,</i>	Slater, 18.
Clarence Hartwell Manchester,	<i>Providence,</i>	147 Washington St.

NAME.	RESIDENCE.	ROOM.
Charles John McCreery,	<i>Fall River, Mass.,</i>	Hope, 39.
Frank Lincoln Morse,	<i>East Providence,</i>	Hope, 26.
William Prescott Mudge,	<i>Providence,</i>	Congress Ave., n. Broad.
William Thomas Nicholson, Jr.,	<i>Providence,</i>	17 Brownell St.
John Edward Nicolai,	<i>Newport,</i>	261 Benefit St.
Wilbur Brown Parshley,	<i>Live Oak, Fla.,</i>	Hope, 29.
Albert Knight Potter, Jr.,	<i>Boston, Mass.,</i>	Slater, 7.
Charlton Albanis Reed,	<i>Flemington, N. J.,</i>	Hope, 42.
Thomas George Rees,	<i>Providence,</i>	37 Woodbine St.
Philip Joseph Reid,	<i>Providence,</i>	160 Charles St.
Francis Wayland Reynolds,	<i>Mt. Pleasant, Penn.,</i>	Hope, 22.
William Job Reynolds, Jr.,	<i>Providence,</i>	Hope, 45.
Clarence Verdine Roberts,	<i>Montpelier, Vt.,</i>	University, 13.
Arthur Rogers,	<i>Providence,</i>	177 Hope St.
Joseph Somers Russel,	<i>Bordentown, N. J.,</i>	Hope, 45.
Amos Lockwood Sarle,	<i>Warwick,</i>	University, 60.
Oliver Perry Sarle, Jr.,	<i>Warwick,</i>	University, 60.
Edwin Stanley Thompson,	<i>Providence,</i>	31 Jefferson St.
Edmund Gorham Thurber,	<i>Providence,</i>	Slater, 16.
Arthur Leonard Wadsworth,	<i>Westboro', Mass.,</i>	University, 44.
Joseph Hooker Ward,	<i>Middletown,</i>	Slater, 12.
Stephen Waterman,	<i>Providence,</i>	72 Meeting St.
Frank Denison White,	<i>Rutland, Vt.,</i>	Slater, 4.
William Shaw White,	<i>Pawtucket,</i>	Pawtucket.
William Wilberforce Whitten,	<i>Holliston, Mass.,</i>	University, 44.
Allen Herbert Willett,	<i>Suffield, Conn.,</i>	University, 45.
George Washington Willis,	<i>Allegheny, Penn.,</i>	Slater, 19.
George Grafton Wilson,	<i>Providence,</i>	60 Chapin Ave.

Select Course.

William Eugene Carter,	<i>Essex, N. Y.,</i>	Hope, 43.
Frank Ormond Draper,	<i>Pawtucket,</i>	Pawtucket.
William Allan Dyer,	<i>Fall River, Mass.,</i>	Slater, 12.
Solon Chester Kelley,	<i>Pawtucket,</i>	Slater, 7.
Ralph Goddard Potter,	<i>Nayatt Point,</i>	Nayatt Point.

SOPHOMORE CLASS.

NAME.	RESIDENCE.	ROOM.
John Ernest Baugher,	<i>Providence,</i>	36 Aborn St.
George Willis Brechbill,	<i>Fultonham, O.,</i>	Hope, 31.
Walter Cochrane Bronson,	<i>Andover, Mass.,</i>	Hope, 22.
William Henry Brown,	<i>Brooklyn, Conn.,</i>	Hope, 47.
Clarence Augustus Carr,	<i>Newport,</i>	Hope, 12.
Wayland Johnson Chase,	<i>Exeter, N. H.,</i>	Hope, 14.
William Nelson Chase,	<i>Exeter, N. H.,</i>	Hope, 14.
Edmund Denison Chesebro,	<i>Stonington, Conn.,</i>	University, 54.
Homer Clark,	<i>Colchester, Conn.,</i>	Hope, 48.
Gardner Colby,	<i>Orange, N. J.,</i>	University, 10.
Harry Frederick Colwell,	<i>Providence,</i>	University, 40.
Arthur Irving Connell,	<i>Fall River, Mass.,</i>	Hope, 7.
Clarence Buck Crawford,	<i>Ottawa, Ks.,</i>	University, 32.
George Hazard Crooker,	<i>Providence,</i>	University, 40.
John De Forest Danielson,	<i>Providence,</i>	64 Angell St.
George Owen Dexter,	<i>Nayatt,</i>	Nayatt.
Frank Sigel Dietrich,	<i>Ottawa, Ks.,</i>	University, 32.
George Wilton Field,	<i>Brockton, Mass.,</i>	Slater, 15.
Walter Osgood Forde,	<i>Gloucester, Mass.,</i>	University, 47.
Isaac Hudson Gillhuly,	<i>Keyport, N. J.,</i>	Hope, 42.
Theodore Francis Green,	<i>Providence,</i>	14 John St.
John Henshaw,	<i>Providence,</i>	55 Waterman St.
Irving Clifton Hicks,	<i>Providence,</i>	500 High St.
Albert Walker Hinds,	<i>West Boylston, Mass.,</i>	Hope, 30.
George Arthur Jepherson,	<i>Providence,</i>	Slater, 13.
Walter Esmond Keach,	<i>Valley Falls,</i>	Valley Falls.
John Shober Kimber,	<i>Newport,</i>	95 Benevolent St.
John Knox,	<i>Haywards, Cal.,</i>	University, 12.
Lucky Alonzo Lindsay,	<i>Jacksboro', Tenn.,</i>	Hope, 47.
William Lippitt Mauran,	<i>Providence,</i>	Butler Ave.

NAME.	RESIDENCE.	ROOM.
Eugene Clayton Mowry,	<i>Woonsocket,</i>	Woonsocket.
Dana Carleton Munro,	<i>Bristol,</i>	Hope, 23.
James Francis Murphy,	<i>Central Falls,</i>	Central Falls.
William Overton, Jr.,	<i>Pawtucket,</i>	Pawtucket.
Charles Currier Phillips,	<i>Nashville, Tenn.,</i>	351 Pine St.
George Ripley Pinkham,	<i>Thompson, Conn.,</i>	Hope, 38.
William Robert Potter,	<i>Phenix,</i>	Hope, 19.
Alfred Merritt Quick,	<i>Plainfield, Conn.,</i>	Hope, 11.
Howard Prescott Quick,	<i>Plainfield, Conn.,</i>	Hope, 11.
Walter Reuben Scott,	<i>Wauregan, Conn.,</i>	University, 41.
Richard Mitchell Sherman, Jr.,	<i>Providence,</i>	184 Waterman St.
Louis Franklin Snow,	<i>Providence,</i>	729 High St.
William Walter Wakeman,	<i>Moodus, Conn.,</i>	Hope, 41.
Harry Franklin Walker,	<i>Thomaston, Me.,</i>	Pawtucket.
Joseph Walker,	<i>Worcester, Mass.,</i>	Slater, 4.
Augustus Daniel Wheeler,	<i>Midvale, N. J.,</i>	Hope, 41.
Charles Lincoln White,	<i>Winchester, Mass.,</i>	University, 31.
Beniah Longley Whitman,	<i>Marlboro', Mass.,</i>	Hope, 27.
Richard Wright,	<i>Dublin, Ireland,</i>	Hope, 43.
Herrick Platt Young,	<i>Providence,</i>	80 Parade St.

Select Course.

John Francis Bannan,	<i>Providence,</i>	251 Prairie Ave.
George Cooper,	<i>Pawtucket,</i>	Slater, 13.
Reuben Earle Fenton, Jr.,	<i>Jamestown, N. Y.,</i>	University, 18.
Howard Donald McLeod,	<i>Providence,</i>	19 Pleasant St.
Charles Alfred Potter,	<i>Cranston,</i>	Cranston.
Walter Armington Potter,	<i>Providence,</i>	195 Angell St.
Edward French Thompson,	<i>Fall River, Mass.,</i>	University, 47.
Harry Grattan Guinness Vincent,	<i>Philadelphia, Penn.,</i>	University, 46.
James William Walker,	<i>Saylesville,</i>	Saylesville.
Daniel Webster, Jr.,	<i>Providence,</i>	81 Mawney St.

FRESHMAN CLASS.

NAME.	RESIDENCE.	ROOM.
Carl Hewes Abbott,	<i>Oakland, Cal.,</i>	105 Williams St.
Herman Vandenburg Ames,	<i>Howard,</i>	University, 16.
William Franklin Arrington,	<i>Salem, Mass.,</i>	Hope, 16.
Clarence Augustus Barbour,	<i>Hartford, Conn.,</i>	Hope, 17.
Henry Ames Barker,	<i>Providence,</i>	Melrose St. & Lexington Av.
Josiah Bartlett,	<i>Kingston,</i>	12 Jackson St.
Francis Joseph Belcher,	<i>Providence,</i>	43 Laura St.
Arthur Joy Bentley,	<i>Providence,</i>	290 Broadway.
Eli Whitney Blake, 3d,	<i>Providence,</i>	59 George St.
George Samson Brown,	<i>Providence,</i>	38 Angell St.
Ernest Henry Brownell,	<i>Bristol,</i>	Bristol.
Francis Herbert Brownell,	<i>Little Compton,</i>	Slater, 9.
Winthrop White Brownell,	<i>Providence,</i>	195 Benefit St.
Clayton Platt Brunsen,	<i>Bristol,</i>	Slater, 2.
Harry Marsh Burrows,	<i>Cleveland, O.,</i>	University, 8.
Hugh Leckie Cattanaeh,	<i>Providence,</i>	Angell Place.
Charles Kemble Chambers,	<i>Mount Holly, N. J.,</i>	Slater, 14.
Albert Burke Cook,	<i>Providence,</i>	144 Angell St.
Charles Doughty Cooke,	<i>Paterson, N. J.,</i>	University, 50.
James Floyd Denison,	<i>Sheboygan Falls, Wis.,</i>	Hope, 46.
Charles Edward Dennis, Jr.,	<i>Providence,</i>	Rear 56 Messer St.
Edwin King Dexter,	<i>Sharon, Vt.,</i>	University, 13.
Henry Ledyard Goddard,	<i>Providence,</i>	36 George St.
Ernst Gordon,	<i>Boston, Mass.,</i>	University, 21.
William Edgar Grigg,	<i>Lincolnton, N. C.,</i>	Hope, 10.
Clarence Grant Hamilton,	<i>Providence,</i>	66 Federal St.
Frederick Augustus Harris,	<i>Providence,</i>	140 Prospect St.
Morris William House,	<i>Barrington,</i>	Barrington.
John Fred Humes,	<i>West Sutton, Mass.,</i>	Hope, 16.
John Powell Hunter,	<i>Lewistown, Penn.,</i>	Hope, 15.
George Wallace Hutchinson,	<i>Windsor, N. J.,</i>	Hope, 44.

NAME.	RESIDENCE.	ROOM.
Frank Richmond Jenks,	<i>Pawtucket,</i>	Pawtucket.
Elliott Woodbury Lamson,	<i>Hamilton, Mass.,</i>	Hope, 25.
William Millard Lippitt,	<i>Providence,</i>	97 Smith St.
Alexander Marshall,	<i>Ashton,</i>	Ashton.
Charles Franklin Medbury,	<i>Foxboro', Mass.,</i>	62 Pearl St.
William Joseph Moroney,	<i>Pawtucket,</i>	Hope, 18.
William Samuel Pease,	<i>Providence,</i>	29 Benevolent St.
Frank Sargent Phillips,	<i>Millville, Mass.,</i>	29 Hammond St.
Henry Winn Pinkham,	<i>Thompson, Conn.,</i>	Hope, 38.
John Cornelius Quinn,	<i>Providence,</i>	374 Wickenden St.
William Attmore Robinson,	<i>Providence,</i>	37 Angel St.
Orman Eris Ryther,	<i>Newport, Vt.,</i>	Hope, 46.
Louis Childs Sanford,	<i>Bristol,</i>	3 Smith St.
Harry Tuck Sherman,	<i>New York, N. Y.,</i>	University, 27.
Walter Burges Smith,	<i>Providence,</i>	114 Benevolent St.
Robert Rennie Taft,	<i>Pawtuxet,</i>	Pawtuxet.
Arthur Eugene Watson,	<i>Waltham, Mass.,</i>	170 Clifford St.
Calvin Everett West,	<i>Suffield, Conn.,</i>	University, 45.
Fred Earle Whitaker,	<i>Woonsocket,</i>	Hope, 10.
William Allen Wilbur,	<i>Mystic River, Conn.,</i>	University, 54.
Albert Avery Williams,	<i>Providence,</i>	Hope, 36.
William Harry Williams,	<i>Northampton, Mass.,</i>	Hope, 25.
Erving Yale Woolley,	<i>Pawtucket,</i>	Pawtucket.
Rollin Chappell Wooster,	<i>New Britain, Conn.,</i>	413 Pine St.
Clarence Whitford Young,	<i>Ottawa, Ks.,</i>	55 Waterman St.

Select Course.

George John Bloomfield,	<i>Pawtucket,</i>	Hope, 18.
Edward Wainwright Brunsen, Jr.,	<i>Bristol,</i>	Slater, 2.
Christopher Elihu Champlin,	<i>Block Island,</i>	University, 30.
Byron Clark,	<i>Colchester, Conn.,</i>	Hope, 48.
Frank Gaylord Eastman,	<i>Howard,</i>	Slater, 14.
Edwin Samuel Holloway,	<i>Groton, Conn.,</i>	Hope, 17.
John Matteson,	<i>Providence,</i>	13 Pike St.
Josiah Caldwell Whipple,	<i>Malden, Mass.,</i>	University, 52.

SUMMARY.

Resident Graduate	1
Seniors	58
Juniors	65
Sophomores	60
Freshmen	64
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Total	248

TIMES AND CONDITIONS OF ADMISSION.

The regular examinations for admission to the FRESHMAN CLASS will take place on Thursday, Friday and Saturday of Commencement week, June 18, 19 and 20, 1885, beginning at 8 o'clock, A. M., on Thursday. *Candidates must be in attendance during the three days.*

On Thursday, at 8 A. M., candidates meet in the South Room of Rhode Island Hall to register, and to be arranged in divisions (I. and II.). In each of the examinations, division I. will occupy the North Room of Rhode Island Hall, division II. the South Room of the same building.

The order of the examinations will be :

THURSDAY, JUNE 18.

Mathematics, from 8.15 A. M. to 12.30 P. M.; *Latin*, from 2.30 to 6 P. M.

FRIDAY, JUNE 19.

Greek, from 9 A. M. to 12.30 P. M.; *French*, from 3 to 5 P. M.

SATURDAY, JUNE 20.

English, from 9 to 11 A. M.

There will be, as follows, a second examination on Monday, Sept. 14, 1885, beginning at 9 o'clock, A. M., and on Tuesday, Sept. 15, 1885, beginning at 8 o'clock, A. M. Applicants must be in attendance on both days.

MONDAY, SEPT. 14.

- French*, North Room, R. I. Hall, 9 to 11 A. M.
3 *English*, South Room, R. I. Hall, 11.30 A. M. to 1 P. M.
7 *Mathematics*, North Room, R. I. Hall, 2 to 6 P. M.

TUESDAY, SEPT. 15.

- Latin*, North Room, R. I. Hall, 8 to 10.30 A. M.
Greek, South Room, R. I. Hall, 11 A. M. to 1.30 P. M.

For admission to ADVANCED STANDING, candidates must pass a general examination in the studies already pursued by the class which they propose to enter. This examination will be held in Rhode Island Hall, also on Monday and Tuesday, September 14 and 15.

No student can be admitted as a candidate for matriculation, unless he bring suitable testimonials of good moral character. If from another college or from an academy, he must also present a certificate of good standing in the institution which he has left, and of regular dismission from it.

For the Course for the Degree of Bachelor of Arts.

Candidates for admission to the Freshman Class are examined in the following subjects; but real equivalents will be received for any of the Latin or Greek works mentioned:

1. Greek. 1. Greek Grammar (Hadley's is preferred). 2. The Syntax and Greek Selections in Harkness's "First Greek Book," or an equivalent from any other Greek Reader. 3. The whole of Xenophon's *Anabasis*, or *five* books of the *Anabasis* and *two* books of Homer; the *Odyssey* is preferred. 4. The first

twenty exercises of Arnold's Greek Prose Composition, or the first *twenty-five* exercises of Jones's Greek Prose Composition. 5. The general history of Greece to the death of Alexander.

NOTE.—In place of the examination in five books of the *Anabasis* and two of the *Iliad*, candidates may, at their option, substitute an examination in translating at sight passages of ordinary difficulty from the works of Xenophon and from the *Iliad*. Candidates thus examined will be supplied with a vocabulary of the less usual words.

II. **Latin.** Caesar, *Gallic War*, books I.–IV., or books I.–III., and Sallust's *Catiline*, with questions on the subject-matter and on grammar. 2. Ovid, twenty-five hundred lines (Lincoln's edition). 3. Cicero, the *Orations against Catiline*, and the *Oration for Archias*, with questions, as on Caesar. 4. Vergil, *Aeneid*, books I.–VI., or *Aeneid*, books I.–V., and the *Eclogues*, with questions on the subject-matter and on prosody. 5. Translation, at sight, of ordinary passages from Caesar, Cicero's *Orations*, Vergil's *Aeneid* and Ovid's *Metamorphoses*, with questions on grammar, prosody, history and antiquities, suggested by the passages assigned. 6. Translation into Latin of simple English sentences. 7. Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose. 8. Outlines of Roman Geography, and of Roman History to the end of the reign of Marcus Aurelius. It is recommended that pupils be accustomed, from the beginning of their preparatory course, to translate into Latin, both orally and in writing, passages prepared by the teachers on the basis of the prose authors read.

In pronouncing Latin, it is recommended that *ā* be pronounced as in *father*, *ǣ* as the first *a* in *apart*; *ē* as in *prey*, *ě* as in *men*; *ī* as in *machine*, *ĭ* as in *pity*; *ō* as in *old*, *ǒ* as in *nor*; *ū* as in *rule*, *ŭ* as in *put*; *j* as *y* in *yard*; *c* always as *k* in *king*; *g* always as *g* in *get*.

III. **Mathematics.** 1. Arithmetic, including the Metric System of Weights and Measures. 2. Algebra, through Equations of the Second Degree, including Arithmetical and Geometrical Progression and the use of the Binomial Formula. 3. Plane Geometry.

IV. **English Composition.** Candidates will be required to write a brief composition upon a subject assigned at the time of examination. These compositions must be correct in expression and division into paragraphs, as well as in grammar, punctuation and spelling.

In 1885, the subject will be drawn from one of the following works: Shakespeare's *Macbeth*; his *Merchant of Venice*; Irving's *Sketch-Book*; George Eliot's *Silas Marner*; Dickens's *Tale of Two Cities*.

Candidates are expected to be familiar with all the above works.

Specimens of incorrect English will also be assigned for correction.

For 1886, the list will be: Shakespeare's *Julius Caesar*; his *Macbeth*; Dickens's *Tale of Two Cities*; Scott's *Abbot*; Pope's *Rape of the Lock*; Lowell's *Vision of Sir Launfal*.

V. **French.** Otto's French Grammar, including the *Reading Lessons*. An additional examination is offered to candidates desiring to enter the advanced Division of the Freshman Class.

Those deficient in this study will be regarded as on a Select Course until they have qualified themselves in it to enter the class.

Preliminary Examinations.

In the Preparatory studies named below, candidates may be examined one year before the time at which they intend to apply for admission to the Freshman Class. These examinations will occur, for 1885, on Thursday and Friday, June 18 and 19, *and then only*.

They will be held in the *Chemical Lecture Room*, and in the following order :

THURSDAY, JUNE 18.

Arithmetic, from 8 to 10.30 A. M.

Latin, from 2.30 to 5.30 P. M.

FRIDAY, JUNE 19.

Greek, from 9 A. M. to 12 M.

The subjects will be :

I. In Greek.

1. Greek Grammar (Hadley's is preferred).
2. The Syntax and Greek selections in Harkness's "First Greek Book," or an equivalent from any other Greek Reader.
3. Three books of Xenophon's Anabasis.

II. In Latin.

1. Latin Grammar (Harkness's is preferred).
2. Caesar, or Caesar and Sallust, as on page 24.
3. Translation into Latin of simple sentences.
4. Ovid, or Cicero, or Vergil, as on page 24.

III. In Mathematics.

1. Arithmetic, including the Metric System of Weights and Measures.
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For the Courses for the Degree of Bachelor of Philosophy.

There are two parallel courses of instruction for candidates for the degree of Bachelor of Philosophy, each course extending through a period of four years. One of these courses includes classical studies ; the other omits them and substitutes a larger amount of scientific studies.

Candidates for admission to a course including *Greek* are examined in all the Greek subjects specified on pages 23, 24. They are also examined in all the subjects in the list below.

Candidates for admission to a course including *Latin* are examined in the Latin subjects specified on page 24. They are also examined in all the subjects, except the Latin, in the list below.

Candidates for admission to the course *omitting* classical studies are examined in the following subjects :

I. Latin.

Five books of Caesar, or its equivalent in Cicero or in Vergil.

II. Mathematics.

1. Arithmetic, including the Metric System of Weights and Measures. 2. Algebra, through Equations of the Second Degree, including Arithmetical and Geometrical Progression and the use of the Binomial Formula. 3. Plane Geometry.

III. English.

Candidates will be required to write a brief composition upon a subject assigned at the time of examination. These compositions must be correct in expression and division into paragraphs, as well as in grammar, punctuation and spelling.

In 1885, the subject will be drawn from one of the following works :

Shakespeare's *Macbeth* ; his *Merchant of Venice* ; Irving's *Sketch-Book* ; George Eliot's *Silas Marner* ; Dickens's *Tale of Two Cities*.

Candidates are expected to be familiar with all the above works.

Specimens of incorrect English will also be assigned for correction.

For subjects for 1886, see page 25.

IV. French.

Otto's *French Grammar*, including the *Reading Lessons*. An

additional examination is offered to candidates desiring to enter the advanced division of the Freshman Class.

Those deficient in this study will be regarded as on a Select Course until they have qualified themselves in it to enter the class.

SELECT COURSES.

Students who wish to pursue a Select Course, without entering as candidates for a degree, must be examined in such subjects as are preliminary to the studies which they desire to pursue in College.

COURSES OF INSTRUCTION.

FIRST: FOR THE DEGREE OF BACHELOR
OF ARTS.

FRESHMAN CLASS.

First Half-Year.

1. *Greek*. Felton's Greek Historians.—Greek Composition.—Smith's History of Greece. *Four hours a week.*
2. *Latin*. Livy (Lincoln's Selections), Books I., II., XXI.—Harkness's Latin Composition, Part III.—History of Rome. *Five hours a week.*
3. *Mathematics*. Geometry, Solid and Spherical.—Plane and Spherical Trigonometry. *Five hours a week.*
4. *French*. First Division. (1) The *Athalie* of Racine will be read in the class. (2) Examinations will be held upon the *Esther*, *Iphigénie* and *Phédre* of Racine.—Second Division. (1) Three books of the *Télémaque* of Fénelon will be read in the class. (2) Examinations will be held upon three additional books of *Télémaque*.—Voluntary divisions will be arranged with all who desire to read more of these two authors. *Two hours a week.*

Second Half-Year.

1. *Greek*. Homer's *Iliad*.—Greek Composition. *Five hours a week.*
2. *Latin*. Cicero *De Senectute* and *De Amicitia*.—Selections from Cicero's Epistles.—Latin Composition. *Four hours a week.*

3. *Mathematics.* Algebra, from Quadratic Equations. *Five hours a week.*
4. *French.* First Division. (1) The *Horace* of Corneille will be read in the class. (2) Examinations will be held upon the *Cid*, *Cinna* and *Polyeucte* of Corneille.—Second Division. (1) The *Horace* of Corneille will be read in the class. (2) Examination will be held upon the *Cid*.—Voluntary divisions will be arranged with all who desire to read more of this author. *Two hours a week.*

SOPHOMORE CLASS.

First Half-Year.

1. *Greek.* Demosthenes, Public Orations. *Three hours a week.*
2. *Latin.* Horace (Lincoln's Edition).—Latin Composition *Two hours a week.*
3. *Mathematics.* General Geometry and Calculus.—*Five hours a week.*
4. *Rhetoric.* Method of English Composition. A. S. Hill's Principles of Rhetoric. *Two hours a week.*—Essays.—Principal Books of Reference: Campbell's Philosophy of Rhetoric, Whately's Elements of Rhetoric, Kames's Elements of Criticism and D. J. Hill's Science of Rhetoric.
5. *Elocution.* Lectures and Exercises. *Once a week.* Principal Works of Reference: Rush on the Voice; Murdoch and Russell's Vocal Culture; The Speaking Voice, Hullah; Throat and Voice, Cohen.
6. One of the following elective studies :
 - (1.) *German.* Whitney's Grammar.—Exercises in German Composition.—Practice in German Conversation.—Joynes's Reader. *Three hours a week.*

- (2.) *French.* Molière.—Modern Pieces.—Lectures. *Three hours a week.*

Second Half-Year.

1. *Greek.* Sophocles.—Lectures. *Two hours a week.*
2. *Latin.* The *Agricola* and the *Germania* of Tacitus.—Pliny's Letters.—Latin Composition. *Three hours a week.*
3. *Mechanics.* Peck's *Mechanics.* *Five hours a week.*
4. *Rhetoric.* A. S. Hill's *Principles of Rhetoric.*—Exercises in Rhetorical Criticism. *Two hours a week.* Essays.
5. *Elocution.* Lectures and Exercises, with Declamations. *One hour a week.* For reference, Bacon's *Manual of Gesture.*
6. One of the following elective studies :
 - (1.) *German.* Advanced Grammar.—Exercises in German Composition.—*Der Zerbrochene Krug* of Zschokke, *Eigensinn* of Benedix. *Three hours a week.*
 - (2.) *French.* Modern Authors. *Three hours a week.*

JUNIOR CLASS.

First Half-Year.

1. *Rhetoric.* Historical Outlines of the English Language. Manual of English Literature, with Readings from authors. *Four hours a week.*—Essays and Orations, *Saturdays.* Principal authors referred to : in Language, Marsh, Müller, Whitney and Sayce ; in Literature, Taine, Arnold, Morley and Shaw.
2. *Elocution.* Private Rehearsals of Orations.
3. *Astronomy.* Newcomb and Holden's *Astronomy*, with Lectures. Principal authors referred to : Newcomb, Herschel, Chauvenet. *Three hours a week.*

4. *Chemistry.* Lectures. The lectures are illustrated by experiments and colored charts and by black-board exercises. Books of Reference: Fownes's Chemistry, Roscoe and Schorlemmer's Chemistry, Coöke's Chemical Philosophy. *Three hours a week.*
5. *Physics.* Lectures, illustrated by experiments, also Recitations, both in writing and oral. Books of Reference: Atkinson's Ganot, Deschanel's Natural Philosophy, Silliman's Physics. *Five hours a week.*
6. One of the following elective courses :
 - (1.) *Latin.*—Horace's *Ars Poetica*, and Selections from his Epistles. *Two hours a week.*
 - (2.) *Greek.* Euripides. *Two hours a week.*
 - (3.) *Civil Engineering.* *Two hours a week.*
 - (4.) *German.* Schiller's *Jungfrau von Orleans.* *Two hours a week.*
 - (5.) *Botany.* *Two hours a week.*

Second Half-Year.

1. *Logic.* Text-Book, Jevons's Elementary Lessons in Logic. Principal authors referred to: Mill, Hamilton, Bowen. *Three hours a week.*
2. *Physiology.* Lectures. Books of Reference: in Anatomy, Quain and Gray; in Physiology, Dalton, Flint and Foster; in Hygiene, Buck. *Three hours a week.*
3. *Rhetoric.* Manual of English Literature; Study of authors. *Two hours a week.* Essays and Orations, *Saturdays.*
4. *Elocution.* Private rehearsals of Orations.
5. A sufficient number of the following elective courses to make up *six hours a week* :
 - (1.) *Latin.* Juvenal, Persius, Terence, Latin Composition, Lectures. *Two hours a week.*
 - (2.) *Greek.* Plato. *Two hours a week.*

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- (3.) *Civil Engineering.* Advanced Mechanics. *Two hours a week.*—Surveying. *Two hours a week.*
- (4.) *Analytical Chemistry.* Laboratory practice. *Six hours a week.*
- (5.) *Physics.* Laboratory work. *Four hours a week.*
- (6.) *German.* Lessing's *Emilia Galotti.* *Two hours a week.*
- (7.) *Zoölogy.* Lectures. *Two hours a week.*—Laboratory work. *Two hours a week.* Books of Reference: Packard's *Zoölogy*, Huxley's *Anatomy of the Invertebrates*, Huxley's *Anatomy of the Vertebrates*, Gegenbaur's *Elements of Comparative Anatomy*, Packard's *Outlines of Comparative Embryology.*
- (8.) *Botany.* Lectures and field excursions. *Two hours a week.*—Laboratory work. *Two hours a week.*
- (9.) *Political Economy.* Lectures, chiefly from the point of view of the English School, but noticing whatever is peculiar to the teachings of Cossa, Knies, Roscher, Schaeffle and Wagner. Discussions. Special studies by the class, of Fawcett, Mill, Sidgwick and F. A. Walker. *Two hours a week.*

SENIOR CLASS.

First Half-Year.

1. *Intellectual Philosophy.* Lectures.—Essays by the class. Sir William Hamilton's *Lectures on Metaphysics*, Kant's *Critique of Pure Reason*, expositions of Mahaffy, Caird, Stirling and Morris, Wayland's *Intellectual Philosophy*, Porter's *The Human Intellect*, Sully's *Outlines of Psychology.* *Five hours a week.*
2. *History.* General History of European Civilization. Lectures, with large reference to Droysen, Duncker, Hallam, Martin, Michelet, Milman, Ranke, von Sybel, von Treitschke and Waitz. Also brief dissertations by the class, based partly upon original sources of mediaeval history, partly upon the works of Bryce, Hallam, Gibbon, Guizot and Waitz. *Five hours a week.*

3. A sufficient number of the following elective courses to make up
six hours a week.
- (1.) *Latin.* Lucretius, with Lectures. *Two hours a week.*
 - (2.) *Greek.* Demosthenes, Oration on the Crown. *Two hours a week.*
 - (3.) *Civil Engineering.* *Two hours a week.*
 - (4.) *Analytical Chemistry.* Laboratory practice. *Six hours a week.*
 - (5.) *German.* Goethe's *Iphigénie*, with Lectures. *Two hours a week.*
 - (6.) *French.* *Two hours a week.*
 - (7.) *Geology.* Lectures. *Two hours a week.*—Laboratory work. *Two hours a week.* Books of Reference: Dana's New Text-Book of Geology, Dana's Manual of Geology, Le Conte's Elements of Geology, Nicholson's Ancient Life-History of the Earth.
 - (8.) *Botany.* *Two hours a week.*
 - (9.) *Roman Law.* Holland's Institutes of Justinian, with Lectures. Essays by the class. *Two hours a week.*

Second Half-Year.

- 1. *Moral Philosophy.* Lectures, with essays by the class. Wayland's Moral Science, Alexander's Moral Science, Kant's Metaphysic of Ethics (Semple's and Abbott's translations), Calderwood's Hand-Book of Moral Philosophy, Sidgwick's Methods of Ethics, Janet's Theory of Morals, with references to various other authors. *Five hours a week.*
Natural Theology, and Evidences of Christianity, by Lectures.
- 2. *History.* Lectures upon the Evolution of Constitutional Government in England and America. Studies by the class, in Stubbs and Hallam, Gardiner, Green, Guizot and Pauli, Bancroft and von Holst. *Five hours a week.*

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3. *Agricultural Zoölogy.* (A required course for students on State Scholarships.) *One hour a week.*
 4. A sufficient number of the following elective courses to make up *five hours a week* for students on State Scholarships, and *six hours a week* for all others :
 - (1.) *Lectures on the History of Philosophy.* *One hour a week.*
 - (2.) *Latin.* The *Annales* and *Historiae* of Tacitus, with Lectures. *Two hours a week.*
 - (3.) *Greek.* Plato. *Two hours a week.*
 - (4.) *Civil Engineering.* *Two hours a week.*
 - (5.) *Analytical Chemistry.* Laboratory practice. *Six hours a week.*
 - (6.) *French.* *Two hours a week.*
 - (7.) *German.* Goethe's *Faust.* Lectures. *Two hours a week.*
 - (8.) *English Literature.* *Two hours a week.*
 - (9.) *Geology* (continued). Lectures; with a short course on *Archaeology* and *Ethnology.* *One hour a week.*
 - (10.) *Botany.* Lectures. *Two hours a week.*—Laboratory work. *Two hours a week.*
 - (11.) *Political Economy.* *Two hours a week.*
 - (12.) *International Law.* Lectures, based upon Woolsey, Heffter and Bluntschli. *One hour a week.*
 - (13.) *Meteorology.* Lectures. References to Hann, Ferrel, Mohn and others. *One hour a week.*

SECOND: FOR THE DEGREE OF BACHELOR OF PHILOSOPHY.

The following are the outlines of the courses ; but they may be subjected to such modifications as are hereafter found advisable :

Course including an Ancient Language.

FRESHMAN CLASS.

First Half-Year.

1. Greek or Latin, *four hours a week.*
2. Geometry and Trigonometry, *five hours a week.*
3. French, *two hours a week.*
4. Plane Problems, *three hours a week.*
5. Mechanical Drawing, *two hours a week.*

Second Half-Year.

1. Greek or Latin, *five hours a week.*
2. Algebra, *five hours a week.*
3. French, *two hours a week.*
4. Descriptive Geometry, *three hours a week.*
5. Mechanical Drawing, *two hours a week.*

SOPHOMORE CLASS.

First Half-Year.

1. Greek or Latin, *two or three hours a week.*
2. General Geometry and Calculus, *five hours a week.*
3. Rhetoric; Essays, *two hours a week.*
4. Elocution, *one hour a week.*
5. Shades and Shadows, *three hours a week.*
6. German or French, *three hours a week.*

Course not including an Ancient Language.

FRESHMAN CLASS.

First Half-Year.

1. Geometry and Trigonometry, *five hours a week.*
2. French, *two hours a week.*
3. Biology and Physical Geography, *three hours a week.*
4. Plane Problems, *three hours a week.*
5. Mechanical and Free-hand Drawing, *three hours a week.*

Second Half-Year.

1. Algebra, *five hours a week.*
2. French, *two hours a week.*
3. English Language, *three hours a week.*
4. Descriptive Geometry, *three hours a week.*
5. Mechanical and Free-hand Drawing, *three hours a week.*

SOPHOMORE CLASS.

First Half-Year.

1. General Geometry and Calculus, *five hours a week.*
2. Rhetoric; Essays, *two hours a week.*
3. Elocution, *one hour a week.*
4. Shades and Shadows, *three hours a week.*
5. Linear Perspective, *two hours a week.*
6. German or French, *three hours a week.*

Course including an Ancient Language.

Second Half-Year.

1. Greek or Latin, *three or two hours a week.*
2. Mechanics, *five hours a week.*
3. Rhetoric and Essays, *two hours a week.*
4. Elocution, *one hour a week.*
5. German or French, *three hours a week.*
6. Either Surveying, *three hours a week*, or Applications of Calculus to General Geometry, *two hours a week.*

JUNIOR CLASS.

First Half-Year.

1. Rhetoric and English Literature, *three hours a week.*
2. Elocution.
3. Astronomy, *three hours a week.*
4. Chemistry, *three hours a week.*
5. Physics, *five hours a week.*

One of the five following elective courses:

German, *two hours a week.*
 Latin, *two hours a week.*
 Greek, *two hours a week.*
 Civil Engineering, *two hours a week.*
 Botany, *two hours a week.*

Second Half-Year.

1. Logic, *three hours a week.*
2. Physiology, *three hours a week.*
3. Rhetoric, *two hours a week.*
4. Elocution.

A sufficient number of the following elective courses to make up *six hours a week.*

Latin, *two hours a week.*
 Greek, *two hours a week.*
 German, *two hours a week.*
 Zoölogy, *two hours a week.*
 Political Economy, *two hours a week.*
 Analytical Chemistry, *six hours a week.*
 Physics, Laboratory work, *four hours a week.*
 Advanced Mechanics, *two hours a week.*
 Botany, *four hours a week.*
 Civil Engineering, *two hours a week.*

Course not including an Ancient Language.

Second Half-Year.

1. Mechanics, *five hours a week.*
2. Rhetoric, *two hours a week.*
3. Elocution, *one hour a week.*
4. Applications of Calculus to General Geometry, *two hours a week.*
5. German or French, *three hours a week.*
6. Surveying, *three hours a week.*

JUNIOR CLASS.

First Half-Year.

1. Rhetoric and English Literature, *three hours a week.*
2. Elocution.
3. Astronomy, *three hours a week.*
4. Chemistry, *three hours a week.*
5. Physics, *five hours a week.*

One of the three following elective courses:

German, *two hours a week.*
 Civil Engineering, *two hours a week.*
 Botany, *two hours a week.*

Second Half-Year.

1. Logic, *three hours a week.*
2. Physiology, *three hours a week.*
3. English Language, *two hours a week.*
4. Elocution.

A sufficient number of the following elective courses to make up *six hours a week.*

German, *two hours a week.*
 Zoölogy, *two hours a week.*
 Political Economy, *two hours a week.*
 Analytical Chemistry, *six hours a week.*
 Physics, Laboratory work, *four hours a week.*
 Advanced Mechanics, *two hours a week.*
 Botany, *four hours a week.*
 Civil Engineering, *two hours a week.*

Course including an Ancient Language.

SENIOR CLASS.

First Half-Year.

1. Intellectual Philosophy, *five hours a week.*
2. History, *five hours a week.*

A sufficient number of the following elective courses to make up *six hours a week.*

Roman Law, *two hours a week.*
 Latin, *two hours a week.*
 Greek, *two hours a week.*
 German, *two hours a week.*
 French, *two hours a week.*
 Analytical Chemistry, *six hours a week.*
 Civil Engineering, *two hours a week.*
 Geology, *four hours a week.*
 Botany, *two hours a week.*

Second Half-Year.

1. Moral Philosophy and Natural Theology, *five hours a week.*
2. History, *five hours a week.*
3. Agricultural Zoölogy (a required course for students on State Scholarships), *one hour a week.*

A sufficient number of the following elective courses to make up *five hours a week* for students on State Scholarships, and *six hours a week* for all others.

Lectures on History of Philosophy, *one hour a week.*
 Latin, *two hours a week.*
 Greek, *two hours a week.*
 French, *two hours a week.*
 German, *two hours a week.*
 Political Economy, *two hours a week.*
 Botany, *four hours a week.*
 Civil Engineering, *two hours a week.*
 Geology, *one hour a week.*
 Analytical Chemistry, *six hours a week.*
 International Law, *one hour a week.*

Course not including an Ancient Language.

SENIOR CLASS.

First Half-Year.

1. Intellectual Philosophy, *five hours a week.*
2. History, *five hours a week.*

A sufficient number of the following elective courses to make up *six hours a week.*

Roman Law, *two hours a week.*
 German, *two hours a week.*
 French, *two hours a week.*
 Analytical Chemistry, *six hours a week.*
 Civil Engineering, *two hours a week.*
 Geology, *four hours a week.*
 Botany, *two hours a week.*

Second Half-Year.

1. Moral Philosophy and Natural Theology, *five hours a week.*
2. History, *five hours a week.*
3. Agricultural Zoölogy (a required course for students on State Scholarships), *one hour a week.*

A sufficient number of the following elective courses to make up *five hours a week* for students on State Scholarships, and *six hours a week* for all others.

Lectures on History of Philosophy, *one hour a week.*
 French, *two hours a week.*
 German, *two hours a week.*
 Political Economy, *two hours a week.*
 Botany, *four hours a week.*
 Civil Engineering, *two hours a week.*
 Geology, *one hour a week.*
 Analytical Chemistry, *six hours a week.*
 International Law, *one hour a week.*

DEPARTMENTS OF PRACTICAL SCIENCE.

Departments of Practical Science have been established in the University for the benefit of students who wish to prepare themselves for such pursuits as require special knowledge of the mathematical and physical sciences and the applications of these to the industrial arts.

In these departments provision has also been made for courses of instruction in "such branches of learning as are related to Agricultural and the Meechanic Arts." This provision has been made in accordance with an "Act of Congress granting lands for the establishing of Agricultural Colleges," and with "Resolutions of the General Assembly of the State of Rhode Island accepting these lands, and assigning the same to Brown University." Students who enter only for these studies, either in full or in part, are subject to the same conditions of admission as for any select course; and when they have duly pursued such studies, they will be entitled to a certificate stating the time of their residence at the University, and the amount of their acquisitions. They may, however, pursue these studies in connection with the "regular scientific and classical studies of the University," and when they have so pursued them as to fulfill the requirements for the degree of Bachelor of Arts or of Bachelor of Philosophy, they will be entitled to such degree.

I. CHEMISTRY APPLIED TO THE ARTS.

The Chemical Laboratory is open to students, except on Saturdays, from 8.30 A. M. to 2.30 P. M.

It is the design of this department to teach students Analytical Chemistry, and then to direct their studies to the practical applications of Chemistry. Attention is given to Metallurgy, Pharmacy, Medical Chemistry, Agricultural Chemistry, and the application of Chemistry to manufacturing processes.

The course is not confined to undergraduates, other persons, if prepared to pursue the study to advantage, being admitted to the Laboratory; but a knowledge of the general principles of Chemistry is absolutely necessary to profitable study in this department.

The text-books used are:

Appleton's Qualitative Chemical Analysis, Appleton's Quantitative Chemical Analysis, Roscoe's Inorganic Chemistry, Foye's Chemical Problems, Cairns's Quantitative Analysis.

II. CIVIL ENGINEERING.

The regular course in this department occupies four years, but a longer or a shorter course may be pursued, according to the wants or abilities of students. Those who are unable to pursue a full course will find the studies so arranged that the knowledge and practice acquired in a partial course will be practical and available. Ample provision will be made for the instruction of any who desire a more extended course than is here indicated, in Engineering and in Higher Mathematics.

The following is the order of study for the regular course:

First Year. Use of mathematical instruments, including Line Drawing, Pen Shading, graphical construction of Plane Problems; Free-hand

Drawing and Shading; use of Mathematical tables; Trigonometry and its application to the measurement of areas, and Descriptive Geometry.

Second Year. Differential and Integral Calculus; Shades and Shadows, Linear Perspective and Isometrical Drawing; Plane Surveying, including the theory and adjustment of instruments, field practice and plotting surveys.

Third Year. Theory of Structure, embracing the construction of foundations, Stone and Brick Masonry and detailed drawings of the same; Calculation and Geometrical Representation of the strain on trusses and girders; drawing of Plans, Profiles, Elevations and Sections.

Construction of machinery and bridges and drawings of the same; strength of materials used in construction; estimation of resistance of friction and rigidity; Hydraulics, embracing the structure and use of hydraulic machines, the investigation of the laws which govern the flow of water from reservoirs and the flow of water in rivers, canals and conduit pipes, and water used as a motor,

Fourth Year. Weisbach's Mechanics, or Mahan's Civil Engineering.

To pursue this course to the best advantage, the following mathematical studies taught in the University should be pursued in connection with those above mentioned, viz.: Algebra, Geometry, Plane and Spherical Trigonometry, General Geometry and Calculus.

Students desiring admission to this course are subjected to an examination on the same amount of Mathematics as is required of candidates entering for a degree.

III. PHYSICS.

The Laboratory of the Department of Physics offers instruction during the second half-year to a limited number of students, who show special aptitude for this study, and are desirous of familiarizing themselves with the construction and use of physical apparatus and with the means of investigation.

A course of experiments in Sound, Light, Heat and Electricity, involving the principal phenomena and the most important methods of measurement, has been arranged with reference to the needs of beginners. Apparatus available for more advanced students and for researches has been recently purchased, with the view of meeting the demand for special instruction in Physics.

IV. BOTANY.

Instruction in Botany is given by means of lectures. The course embraces the necessary morphological and physiological subjects, and is supplemented by practical class-work, in which each student employs the microscope in examining specimens. Great stress is laid upon the importance of drawing from nature, and students are taught to make illustrative sketches.

Each student of Botany is expected to pay a small fee for the cost of specimens used in class-work.

At the proper season, excursions are made, under the guidance of the Professor, to neighboring points of botanical interest. At such times students are shown how to collect and preserve specimens.

The following works are recommended for reference: Gray's Botanical Text-Book, Gray's Manual of the Northern States, Sachs's Text-Book of Botany, Le Maout and De Caisne's General System of Botany, Bessey's Botany.

Under proper restrictions, the Herbaria are made accessible to students, for the determination and comparison of species; every courtesy will also be extended to visiting botanists who desire to consult them.

The Bailey Herbarium.

This collection, presented by Professor W. WHITMAN BAILEY, B. P., contains *eighteen hundred* specimens, and about *fifteen hundred* species, American and foreign. Besides the donor's own

personal collection, it contains many specimens from the herbarium of the distinguished English microscopist, Mr. J. L. Quacket. It is rich in ferns.

“Herbarium Olneyanum.”

This valuable collection, presented to BROWN UNIVERSITY by the will of the late STEPHEN THAYER OLNEY, of Providence, is estimated to number about *forty thousand specimens*. It illustrates American Botany, and is particularly rich in the plants of Rhode Island. The specimens are in good order for consultation.

Mr. Olney's botanical studies, continuing for many years, brought him into relations of active exchange with the leading collectors of this country. He also made large purchases of plants, and thus accumulated a valuable mass of material, which it would now be difficult to duplicate. The correspondence which accompanies the herbarium covers a period of thirty or more years. It includes communications from Sir Joseph D. Hooker of Kew, Baron von Mueller of Melbourne, Professor Asa Gray, Professor John Torrey, Professor D. C. Eaton, Mr. Francis Boott and other eminent botanists. Mr. Olney was an acknowledged authority on the difficult genus *Carex*, and his collection of sedges is one of great value. In the last years of his life he began a monograph upon *Carex*, the notes of which, and the drawings by Mr. J. H. Emerton, accompany his bequest.

The Bennett Herbarium.

This valuable herbarium is the gift of Mr. JAMES LAWRENCE BENNETT, an accomplished amateur botanist of Providence.

It includes about *thirteen thousand* species, and probably over *thirty thousand* specimens, and has involved thirty years of assiduous labor in its accumulation. American Botany is well represented, but the foreign specimens are the more numerous; many of them are derived from remote and, in some cases, almost inaccessible, regions of the globe.

The completeness with which the natural orders are illustrated, as well as the wide geographical range exhibited, makes this herbarium an important addition to the means of instruction in the University.

V. ZOÖLOGY AND GEOLOGY.

Zoölogy, with especial reference to Palaeontology, is taught by lectures, laboratory work (forming a course of Comparative Anatomy), and by excursions for dredging and collecting in Narragansett Bay and near the city, with especial reference to the local fauna.

Instruction in Geology is given by means of lectures and models, laboratory work and field excursions, with special reference to the geology, structural and economic, of Rhode Island.

Within the last few years there have been added for use in the lectures and laboratory work, several of Guyot's Physical wall maps, two Zentmeyer's Histological stands with a number of objectives made by Gundlach, osteological preparations, a set of Sopwith's geological models, and a large model in plaster, in sections, made by the Hayden Survey, illustrating the geology of the Elk Mountains, Colorado. Besides these, a set of microscopic slides, of use in the study of lithology, has been purchased, as well as a collection of twenty sets of the more typical minerals and rocks, for use by each student.

Besides field excursions near the city, the instructor has taken out a small party to the Western territories, and proposes occasionally to organize similar excursions to other parts of the country.

VI. AGRICULTURE.

The course of instruction in Agriculture includes the courses in the preparatory branches, Chemistry and Physics, Botany, Physiology, Zoölogy and Comparative Anatomy. It also embraces special lectures on Agriculture. These relate to the study of soils

and to applied Economic Zoölogy. The course of instruction is illustrated by specimens from the Museum of Natural History and by field excursions. Further, practical instruction is given in obtaining and preserving specimens and in taxidermy.

MUSEUM OF NATURAL HISTORY AND ANTHROPOLOGY

IN RHODE ISLAND HALL.

The Museum is under the care of Professor John W. P. Jenks. The collections which it now contains, as classified and arranged by him, are as follows :

1. In Zoölogy, including skeletons for Comparative Anatomy,	
Quadrupeds,	200
Birds (500 mounted),	4,000
Reptiles and Fishes,	700
Insects,	10,000
Crustaceans,	1,000
Worms,	500
Mollusks,	13,500
Echinoderms,	150
Corals and Hydroids,	200
Sponges,	40
2. In Mineralogy, specimens,	9,809
3. In Geology and Palæontology, specimens,	5,000
4. Botany (miscellaneous collections),	500
(For account of Herbaria, see pp. 42-43.)	
5. Indian implements and relics, specimens,	1,000
6. Implements and curiosities of other uncivilized peoples,	1,000
7. Coins and medals,	3,000

LIBRARY.

The College Library dates from the year 1767, when Rev. Morgan Edwards collected books for it in England. In 1843, when the Catalogue was printed, and soon after its removal from University Hall to Manning Hall, it contained ten thousand volumes. In 1878, when it was placed in the new Library Building, it contained fifty thousand volumes. It now numbers sixty-two thousand bound volumes, in addition to a large and valuable body of pamphlets.

The collection as a whole is choice, many of the books being rare and costly and most of them well bound. A large portion has been carefully selected from year to year, with special reference to the wants of professors and students, to aid in literary, scientific and historical research. The departments of bibliography, Greek and Latin classics, history, biography, literature, patristics, modern languages, science and the fine arts, are quite full, indeed comparatively complete. The books are arranged in alcoves according to subjects, and FREE ACCESS IS ALLOWED TO THE SHELVES. Upon the tables in the centre of the building are placed the standard periodicals, American and foreign, relating to the different departments of study, and behind them, conveniently arranged, are abundant books of reference.

The Library is open in term time *each week day except Saturday, from 10 to 4 ; on Saturdays from 10 to 1 ;* during vacations, on Saturdays, only.

Members of the Corporation and of the Faculty, resident graduates, also every donor, residing in Providence, of five hundred dollars or more to the funds of the University, may use the Library without charge. The Corporation or the Library Committee can grant this privilege to others.

During the past year, seven thousand two hundred volumes have been added to the Library, four hundred of these coming from a bequest of the late Joseph J. Cooke. The splendid collection of American Poetry bequeathed to the University by the late Hon. Henry B. Anthony, LL. D., comprising over six thousand bound

volumes, has recently been placed upon the shelves. This collection, known as the "Harris Collection," was commenced by the late Judge Albert G. Greene, continued by the late C. Fiske Harris, and purchased and completed by Senator Anthony. The other donors to the Library during the year are as follows :

Hon. J. M. Addeman, Secretary of State, Providence; Family of Hon. Zachariah Allen, LL. D., Providence; American Academy of Arts and Sciences, Boston; American Antiquarian Society, Worcester; Archæological Institute of America, Cambridge; American Association of Wool Manufacturers, Boston; American Pharmaceutical Association, Philadelphia; American Unitarian Association, Boston; Prof. J. H. Appleton, Brown University; Mrs. A. N. Arnold, Pawtuxet; Baptist Home Mission Society, New York; Charles H. Bell, Exeter, N. H.; Maria Benedict, Providence; Brigadier-General S. V. Benét, Chief of Ordnance, Washington; Surgeon J. S. Billings, LL. D., Librarian, Washington; Boston, City Documents, per City Messenger; Governor A. O. Bourn, Bristol; Rev. Dr. C. M. Bowers, Clinton, Mass.; Thomas Macmillan, Executor of estate of William Bransen, London; Richmond Brewer, Brown University; Liber Brunensis, per Liber Board, Brown University; Rev. Dr. H. S. Burrage, Portland; T. C. Chamberlain, Geologist of Wisconsin, Beloit; Theodore E. Chase, Detroit, Michigan; E. W. Clark, Chief of Revenue Marine, Washington; Estate of Joseph J. Cooke, Providence; Hon. Edward Cooper, New York; Hon. S. S. Cox, M. C., Washington; C. H. Crane, Surgeon General United States Army, Washington; Publishers of the Critic, New York; Rev. Sidney Dean, Warren; George B. Dixwell, Boston; James H. Dodge, City Auditor, Boston; Rev. David Downie, Nellore, India; E. Porter Dyer, Jr., Springfield, Mass.; University of Edinburgh, per John Small, Librarian; Doct. Charles H. Fisher, Providence; Rev. Prof. Norman Fox, New York; Friedländer & Son, Berlin; Elias F. Frost, Pawtucket; James T. Gardiner, Director of State Survey of New York, Albany; Georgia, State Department of Agriculture, per J. T. Henderson, Atlanta; Alfred Gilman, Secretary of Old Residents Association, Lowell, Mass.; Glasgow University, Scotland; Heirs of Prof. William G. Goddard, Providence; George Gore, LL. D., London; Arnold Green, Esq., Providence; Doct. Samuel A. Green, Boston; Reuben A. Guild, LL. D., Brown University; M. J. Harson, Providence; Harvard Medical School, Cambridge; Col. Rush C. Hawkins, A. M., New York; William S. Hayward, Providence; Hon. Rowland G. Hazard, LL. D., Peace Dale, R. I.; Hebrew Education Society, Philadelphia; Hon. N. P. Hill, United States Senator, Washington; Rear Admiral Jenkins, United States Navy, Washington; Estate of Hon. William Beach Lawrence, LL. D., Newport; James S. McDanolds, State Librarian, Newark, N. J.; Massachusetts Historical Society, Boston; Sidney D. Maxwell, Superintendent Chamber of Commerce, Cincinnati, Ohio; C. W. Merrill, Librarian of Public Library, Cincinnati; Michigan State Agricultural College; Donald G. Mitchell (Ike Marvel), New Haven, Ct.; N. H. Morrison, Provost of Peabody Institute, Baltimore; Prof. A. S. Packard, Brown University; Doct. Charles W. Parsons, Providence; Hon. H. B. Pierce, Secretary of the Commonwealth of Massachusetts; Penn-

sylvania State College, Harrisburg; F. B. Perkins, Librarian of Public Library, San Francisco; Edward D. Pierce, Jr., Providence; Providence City Documents, per E. S. Rhodes, City Messenger; Prof. Edward Reyer, Vienna, Austria; Rhode Island Historical Society, Providence; Sidney S. Rider, Providence; Rev. Dr. E. G. Robinson, President of Brown University; General Horatio Rogers, Providence; Rev. Dr. George W. Samson, New York; Society of Seventh-Day-Adventists, Battle Creek, Mich.; Doct. Charles E. Slocum, Syracuse, N. Y.; Smithsonian Institution, Washington; Journal of the Society of Arts, London; Thomas B. Stockwell, Commissioner of Education, Providence; Mrs. Francis M. Stoddard, Boston; Rev. D. H. Taylor, Jamaica Plain, Mass.; United States Naval Observatory, Department of State, War Department, Treasury Department, Department of Interior, Washington; Rev. R. C. Waterson, Boston; Mrs. Emily Webster, Secretary of Woman's Educational Club, West Newton, Mass.; Charles E. West, Brooklyn, N. Y.; B. Westermann & Co., New York.

PUBLIC WORSHIP.

The exercises of every day commence with reading of Scripture, singing and prayer in the College Chapel. All students are also required to attend public worship on Sunday, each one reporting to the President, at the beginning of the term, the church which he will attend.

COLLECTION OF PORTRAITS.

Through the liberality of its friends, the College has been presented with a considerable number of portraits. Most of them are now finely located in Sayles Hall; the others are in Rhode Island Hall. The collection includes portraits of benefactors of the University, of some of its former officers, and of other men distinguished in the earlier or the more recent history of Rhode Island. It has been greatly enriched in late years by portraits presented through a committee appointed by the Alumni, "for the purpose of procuring and placing within the walls of Brown University, the portraits of her Presidents, Professors, distinguished graduates and benefactors."

GYMNASIUM.

Pending the movement now making for a College Gymnasium, the authorities of the College have made arrangements whereby all students who desire, may enjoy, at a moderate cost to themselves, the best facilities which the city affords for gymnastic exercise, with varied apparatus of the most approved patterns, and under a competent instructor.

SEMI-ANNUAL EXAMINATIONS.

Examinations of all the classes are held at the close of each half-year. Some of them are written, some oral, in certain cases the same class is subjected to both tests. If, upon examination in a given study, a student receives a mark which is less than one-half the maximum, he fails to pass in that study, and must prepare himself for a subsequent examination. Failing in three studies he is required either to leave College or to drop back into another class. Delinquents in any of the examinations of a given year are not permitted to take up the studies of the next, until they have passed all such examinations. The following are the Committees of Examination for the several departments :

1. Greek.

Rev. Thatcher Thayer, D. D.	Merrick Lyon, LL. D.
Rev. Heman Lincoln, D. D.	Edward H. Cutler, A. M.
Rev. John B. G. Pidge, A. M.	

2. Latin.

Rev. John C. Stockbridge, D. D.	Horatio N. Slater, Jr., A. M.
Charles B. Goff, A. M.	Frederick W. Tilton, A. M.
Rev. C. H. Wheeler, A. M.	

3. German.

Rev. Alvah Hovey, D. D., LL. D.	Samuel W. Peckham, A. M.
Stephen H. Arnold, Esq.	Rev. Carl W. Ernst, A. M.
Gustav Radeke, M. D.	Joseph C. Ely, LL. B.

4. French.

William Goddard, A. M.	Edward T. Caswell, M. D.
Edwin M. Snow, M. D.	Howard M. Rice, A. M.
David W. Hoyt, A. M.	

5. Rhetoric and English Literature.

Rev. Adoniram J. Gordon, D. D. Rev. J. G. Vose, D. D.
 Rt. Rev. Thomas M. Clark, D. D. Rev. S. D. Phelps, D. D.
 J. Carter Brown Woods, LL. B.

6. Physiology.

Edwin M. Snow, M. D. Oliver C. Wiggin, M. D.
 S. S. Keene, M. D. L. W. Russell, Esq.

7. Physics.

Hon. Rowland Hazard, A. M. Prof. George I. Chace, LL. D.
 William A. Mowry, A. M., Ph. D. Hon. Samuel Powel.
 Arnold B. Chace, A. M. Prof. John Peirce, A. M.
 George H. Corliss, A. M.

8. History and Political Economy.

Hon. Charles S. Bradley, LL. D. Prof. William Gammell, LL. D.
 Hon. John R. Bartlett. Rev. Augustus Woodbury, A. M.

9. Intellectual and Moral Philosophy.

Rev. Alva Woods, D. D. Rowland G. Hazard, LL. D.
 Rev. Alvah Hovey, D. D., LL. D. Prof. George I. Chace, LL. D.
 Rev. Daniel Leach, D. D.

10. Mathematics and Astronomy.

Hon. William F. Sayles. Charles P. Robinson, A. M.
 J. Herbert Shedd, Esq. Edward Pearce, Jr., A. M.
 Emory Lyon, M. D. William T. Peck, A. M.

11. Chemistry.

Arnold B. Chace, A. M. Marshall Woods, M. D.
 Prof. John Peirce, A. M. Amasa M. Eaton, LL. B.

12. Logic.

Rev. A. H. Granger, D. D. Hon. Thomas Durfee, LL. D.
 William W. Douglas, LL. B. Rev. Elias H. Johnson, D. D.

EXPENSES.

The necessary College expenses for the year are as follows :

		LOWEST.	HIGHEST.
Tuition,	. . . . .	\$100 00	\$100 00
Rent of single rooms from \$30 to \$70, accord-			
ing to location,	. . . . .	15 00	
Rent of suites of rooms from \$100 to \$170,			85 00
Use of library,	. . . . .	5 00	5 00
Registrar's salary,	. . . . .	4 00	4 00
Public fuel,	} Charged at cost, but average about		
Servants' hire,			
Printing,			
		22 00	22 00
		\$146 00	\$216 00

If a student occupies a whole room or suite, he pays rent for the whole, and his charge for servants' hire is doubled.

The total expenses of students per year will vary, of course, according to their habits, tastes and means, some students expending more than double, even more than treble, the amounts of others.

Upon admission to College, every student is charged a matriculation fee of \$5.00.

The term bills are paid strictly in advance, at the commencement of each half-year.

Board is not furnished at the College, but a list, kept by the Registrar, of eligible families in the city where board can be obtained, is always accessible to students.

The usual cost of board is at present from \$3.00 to \$5.00 per week. A majority of the students pay about \$3.00. By forming clubs, students are enabled to obtain good board at a cost even a little

lower than this. Board with furnished rooms, in private families, may be had at from \$5.00 to \$10.00 per week.

The foregoing estimate for tuition does not include the fees for instruction in Analytical Chemistry.

The expenses of a student who takes a course of study of two hours daily in the Chemical Laboratory, are, for each half-year, as follows :

Instruction,	\$16 66
Gas, Chemicals, etc.,	18 34
Breakage, varying with the student's care, about	3 00
	<hr/>
	\$38 00

Students who take courses of four hours or of six hours daily, pay, respectively, double or treble the above amounts.

PECUNIARY AID TO STUDENTS.

Scholarships.

Among the various forms of aid offered to students, there are about one hundred scholarships.

There are *sixty-four* Scholarships of One Thousand Dollars each, the income of which is given, under the direction of a committee appointed by the Corporation, to meritorious students who may need pecuniary assistance ; *but a scholarship is forfeited if the candidate incurs College censure, or fails to secure at least seventy-five per cent. of the maximum marking.*

The Nicholas Brown Scholarships. Eleven, founded by a bequest made by Nicholas Brown.

The University Scholarships. Four, from College funds appropriated by the Corporation to this use.

The President's Scholarship. Founded by Barnas Sears, when President of the College.

Alva Woods Scholarships. Six, founded by Alva Woods.

James H. Duncan Scholarship. Founded by James H. Duncan.

Isaac Davis Scholarship. Founded by Isaac Davis.

Arnold Whipple Scholarship. Founded in memory of Arnold Whipple, by Mrs. Arnold Whipple.

Ephraim Wheaton Scholarship. Founded by James Wheaton.

Joseph Brown Scholarship. Founded by Mrs. E. B. Rogers.

Gardner Colby Scholarship. Founded by Gardner Colby.

James Y. Smith Scholarship. Founded by James Y. Smith.

S. S. Bradford Scholarships. Two, founded by S. S. Bradford.

Frances R. Arnold Scholarship. Founded by Mrs. Frances R. Arnold.

Cornelia E. Green Scholarship. Founded by Mrs. Cornelia E. Green.

Crocker Scholarship. Founded by Robert H. Ives and Thomas P. Ives, trustees.

Clark Scholarship. Founded by Robert H. Ives and Thomas P. Ives, trustees.

Albert Day Scholarship. Founded by Albert Day.

Henry P. Kent Scholarship. Founded by Henry P. Kent.

Romeo Elton Scholarship. Founded by Romeo Elton.

Annie E. Waters Scholarships. Five, founded by Mrs. Annie E. Waters.

L. Fairbrother Scholarship. Founded by Mrs. L. Fairbrother.

George Lawton Scholarship. Founded by George Lawton.

John P. Crozer Scholarship. Founded by Mrs. Margaret Bucknell.

Horatio N. Slater Scholarship. Founded by Horatio N. Slater.

Earl P. Mason Scholarship. Founded by Earl P. Mason.

Newport Scholarship. Founded by William Sanford Rogers.

Alexis Caswell Scholarship. Founded by Alexis Caswell.

George K. and H. A. Pervear Scholarship. Founded by George K. and H. A. Pervear.

Joseph C. Hartshorn Scholarship. Founded by Joseph C. Hartshorn.

Rogers High School Scholarship. Founded by William Sanford Rogers.

James Wheaton Scholarship. Founded by James Wheaton.

Charles Thurber Scholarship. Founded by Charles Thurber.

Pardon Miller Scholarship. Founded by Mrs. Ann E. Miller.

Hezekiah S. Chase Scholarship. Founded by Hezekiah S. Chase.

William Bucknell Scholarship. Founded by William Bucknell.

Austin Merrick Scholarship. Founded by Mrs. Olive E. Merrick.

Jackson Scholarships. Three, founded by Henry Jackson.

Mumford Scholarship. Founded by Mrs. Louisa D. Mumford.

Henry Clifford Knight Scholarship. Founded by Miss Amelia S. Knight, in memory of her brother, a member of the Class of 1875.

Besides the above scholarships, there are others, the assignment of which is made subject to special provisions. These are as follows:

The Bartlett Scholarship. Founded by MRS. ELIZABETH SLATER BARTLETT, by a gift of four thousand dollars, the income of which is to be "devoted to the support of one or more students needing pecuniary aid, and giving promise by studious aims and by character and scholarship, of rising to distinction and usefulness."

The Glover Scholarships. Founded by a gift of five thousand dollars from HENRY R. GLOVER, "in memory of his father, SAMUEL GLOVER, a graduate of the College, of the Class of 1808, and of his

brother, SAMUEL GLOVER, JR., of the Class of 1839. Assignment is made upon the basis of character and attainments.

The Scholarship of the Class of 1838, of thirty-eight hundred dollars. Founded by members of THE CLASS of 1838, and also assigned upon the basis of character and scholarship.

Scholarships of the Department of Agriculture. By Resolutions of the General Assembly of the STATE OF RHODE ISLAND, the national grant, "for the benefit of Agriculture and the Mechanic Arts," was given to Brown University; and the fund of fifty thousand dollars, which has accrued from this grant, is by agreement on the part of the University devoted to the education "of scholars, each at the rate of one hundred dollars per annum, to the extent of the entire annual income." Appointments to these scholarships are made, on the nomination of the General Assembly, by the Governor and Secretary of State, in conjunction with the President of the University.

The Philadelphia Alumni Scholarship. This scholarship has been created by the gift, from the "PHILADELPHIA ALUMNI ASSOCIATION OF BROWN UNIVERSITY," of the sum of fifteen hundred dollars. The award of this scholarship is to be in accordance with the following conditions:

"1st. That the scholarship be not confined to candidates for any one calling, or to the members of any one denomination.

"2d. That it be conferred on the basis of high attainments, mental and moral, and be, so far as practicable, open to competition, so that the possession of the scholarship shall testify to the qualifications of the possessor, and that it be limited to members of the two higher classes."

The Joseph Charles Hartshorn Scholarship. This is a second scholarship, founded by a gift of two thousand dollars, from the gentleman whose name it bears. The annual award is made in accordance with certain conditions prescribed by the donor.

The Sherman Scholarships. These are named the George J.

Sherman Scholarship Number One, and the *George J. Sherman Scholarship Number Two*. They are founded by the gift of two thousand dollars from the gentleman whose name they bear. Their assignment is subject to certain special conditions prescribed for each by the donor.

Aid Fund.

This is a fund of several thousand dollars, the income of which is applied, either by loan or by gift, to the assistance of deserving young men of limited means.

PREMIUMS.

I. For Excellence in Preparatory Studies.

The President's Premiums. These are derived from the income of a fund presented by the REV. FRANCIS WAYLAND, D. D., while President of the University. They are awarded to those members of the Freshman Class, candidates for the degree of Bachelor of Arts or of Bachelor of Philosophy, who are found, *upon special examination*, to have attained the highest excellence in the classical studies preparatory to admission to College. They are fixed by statute as follows :

A First Premium of fifteen dollars and a second of ten dollars, for excellence in the Greek language.

A First Premium of fifteen dollars and a second of ten dollars, for excellence in the Latin language.

The competitors are examined in the classical studies required for admission to the College.

The most recent award (1884) of these premiums was as follows :

Greek.

The First Premium to GEORGE SAMSON BROWN, instructed by Merrick Lyon, LL. D., in the University Grammar School, Providence.

Two Second Premiums, one to CLARENCE GRANT HAMILTON, instructed by William T. Peck, A. M., in the Providence High School, the other to HENRY WINN PINKHAM, instructed by Edward H. Cutler, A. M., in the Newton High School, Mass.

Latin.

The First Premium to HENRY WINN PINKHAM, instructed by Edward H. Cutler, A. M., in the Newton High School, Mass.

The Second Premium to CLARENCE GRANT HAMILTON, instructed by William T. Peck, A. M., in the Providence High School.

An additional Second Premium to CHARLES EDWARD DENNIS, JR., instructed by William T. Peck, A. M., in the Providence High School.

Mathematics.

The Hartshorn Premiums. These are derived from the income of a fund of one thousand dollars presented by JOSEPH C. HARTSHORN, A. M., of the Class of 1841 ; this income is appropriated to *three premiums*.

These are awarded to those members of the Freshman Class who are found, upon examination, to have excelled in the preparatory mathematical studies.

The last award (1884) of these Premiums was as follows :

The First Premium to ERNEST HENRY BROWNELL, instructed by James A. Estee, A. M., in the Bristol High School.

Two Second Premiums, one to GEORGE SAMSON BROWN, instructed by Emory Lyon, M. D., in the University Grammar School, Prov-

idence, the other to HENRY WINN PINKHAM, instructed by John F. Kent, A. B., in the Newton High School, Mass., now Principal of the Concord High School, N. H.

II. For Excellence in College Studies.

Carpenter Prizes for Elocution. These are : a First Prize of *sixty* dollars ; a Second Prize of *thirty-six* dollars ; a Third Prize of *twenty-four* dollars.

They are derived from the income of a fund established by THOMAS CARPENTER, and are awarded annually to the three members of the Sophomore Class to whom shall be assigned, respectively, the first, the second and the third rank of excellence in elocution. The assignment is made by a committee appointed for the purpose, and after trial at a public exhibition given on the Monday evening before Commencement.

The competitors must be members of the Sophomore Class ; they may declaim pieces in either prose or verse, selected from English authors, but their selections must be approved by the Professor of Rhetoric ; they must enter their names with this professor not later than on the tenth day before the exhibition.

The Committee of Award will consist of five members, and will be formed as follows : the Professor or Instructor in Elocution, who will be the Chairman, two persons elected by the Corporation, also two elected by the Sophomore Class during the first term of the year, it being understood that no one who is or has been a member of the class is eligible.

The Committee for 1884 awarded the prizes as follows :

The First, to ALBERT KNIGHT POTTER, JR.

The Second, to WILLIAM HENRY FROST.

The Third, to SOLON CHESTER KELLEY.

The Carpenter Premiums. These are two, of sixty dollars each, derived from the income of a fund established by THOMAS CARPENTER and LYDIA CARPENTER.

These premiums are assigned at the *end of the Senior year*, to the two members of the Senior Class, who, "already on Scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life, ability, character and attainment."

For the year 1883-84, the Carpenter Premiums were awarded to

FRANK MELVILLE BRONSON

and

WILLIAM JACOB CLOUES.

The Howell Premium. This fund, amounting to one thousand dollars, was presented by the late GAMALIEL LYMAN DWIGHT. The income is given, at the *close of the first half of the Junior year*, to the student who, "having a good record of deportment, has the highest rank in Mathematics and Natural Philosophy."

For the year 1883-84, this premium was awarded to

ANDREW MCCORRIE WARREN.

The Dunn Premium. This fund, amounting to somewhat over eight hundred dollars, was presented by pupils and friends of the late PROFESSOR ROBINSON POTTER DUNN, D. D., the income to be given, at the *end of the Junior year*, to the student having the highest standing in rhetorical studies.

For the year 1883-84, this premium was awarded to

WALTER GOODNOW EVERETT.

Class of 1873 Fund. This fund, amounting to five hundred dollars, was presented to the University by THE CLASS of 1873,

on the condition that its income should be devoted to the founding of a prize for an Essay. The prize is annually offered for competition to members of the Senior Class.

On Commencement Day, June 18, 1884, the President announced that this prize had been assigned to the essay written by

LEONIDAS RAYMOND HIGGINS.

The Foster Premium. This premium is derived from the income of a fund of three thousand dollars bequeathed to the University by the late HON. LA FAYETTE SABINE FOSTER, LL. D., of the Class of 1828.

In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third and twenty-fourth books of Homer's Iliad, or in the Oration on the Crown by Demosthenes."

The next examination, open to the members of the Senior Class, will be held early in May, 1885. Candidates will be examined in the Oration on the Crown.

On Commencement Day, June 18, 1884, the President announced the award of this prize to

VOLNEY SKINNER.

COMMENCEMENT HONORS IN THE CLASS OF 1884.

The Valedictory Address, ALFRED DODGE COLE.

The Salutatory Oration, FRANK MELVILLE BRONSON.

The Philosophical Oration, EDWARD WHITTEN SHEDD.

The Classical Oration, WILLIAM JACOB CLOUES.

DEGREES CONFERRED IN 1884.

THE DEGREE OF BACHELOR OF ARTS, ON THE FOLLOWING MEMBERS OF THE CLASS OF 1884.

FRANK HOWARD ANDREWS,
WILLIAM BIRKET ARNOLD,
ALBERT ALLISON BAKER,
CHARLES LEWIS BAKER,
WILLIAM MANUEL PERES BOWEN,
RICHMOND BREWER,
FRANK MELVILLE BRONSON,
EVERETT DOUGHTY BURR,
WILLIAM JACOB CLOUES,
ALFRED DODGE COLE,
JOHN DABOLL,
JOHN GEORGE DORON,
EVERETT BROWNELL DURFEE,
ROBERT HENRY FERGUSON,
ARTHUR YOUNGER FORD,
ARTHUR AMORY GAMMELL,
HENRY BRAYTON GARDNER,
GEORGE COLEMAN GOW,
CHARLES WILLIAM GREENE,
ROBERT WARREN GREENE,
EDWIN BATES HARVEY,
IRA CHARLES HERSEY,
LEONIDAS RAYMOND HIGGINS,
HENRY RUSSELL HITCHCOCK,
WILLIE CLARENCE INGALLS,
JOSEPH HARRIS JOHNSON,
CHARLES GREGORY KING, JR.,
BENJAMIN WILLEY LIGHTBURN,
FREDERICK NEWTON LUTHER,
STEPHEN ELMER MANN,
HAROLD METCALF,

ANDREW NEWALL,
OTIS EVERETT RANDALL,
ABBOTT BARNES RICE,
AUGUSTUS ERVING SCOVILLE,
VOLNEY SKINNER,
EDWARD PRESBURY SMITH,
FRANK EDWIN SWEET,
THEODORE FOSTER TILLINGHAST,
EDWARD PRATT TULLER,
GEORGE ALFRED TYZZER,
CHARLES RUSSELL UPTON,
JOSIAH HOWE VOSE,
GEORGE MELVIN WADSWORTH,
GEORGE BULKELEY WAKEMAN,
THOMAS WESTON WOOD, JR.

THE DEGREE OF BACHELOR OF PHILOSOPHY,

ON

JOHN DAVIS EDGELL,

And on the following members of the Class of 1884:

GEORGE HENRY BOTTUM,
HERMON CAREY BUMPUS,
GEORGE ARNOLD CARPENTER,
HARRY HATHAWAY HAMMOND,
JAMES LAWRENCE JENKS,
EDWARD WHITTEN SHEDD.

THE DEGREE OF MASTER OF ARTS,

ON

BENJAMIN COOK, of the Class of 1868,
ALBERT GRANGER HARKNESS, of the Class of 1879,
DONALD LITTLEFIELD MORRILL, of the Class of 1880,

And on the following members of the Class of 1881:

CHARLES FRANCIS ADAMS,
GEORGE FREMONT BEANE,

WILLIAM SHEAFE CHASE,
CHARLES WALTER CONNELL,
SAMUEL WINSLOW CULVER,
FREDERIC HAYES,
FREDERIC ROWLAND HAZARD,
ALFRED HOWLAND HOOD,
CHARLES EVANS HUGHES,
WILLIAM COFFIN LADD,
JOHN MURRAY MARSHALL,
CHARLES CARNEY MUMFORD,
HENRY CLAY PEEPLES,
HORACE WARD SHELTON,
WALTER JAMES TOWN.

HONORARY DEGREES.

THE DEGREE OF MASTER OF ARTS,

ON

WILLIAM ELLERY BENNETT, M. D.

THE DEGREE OF DOCTOR OF LAWS,

ON

SAMUEL LUNT CALDWELL, D. D

CATALOGUE

OF THE

Officers and Students

OF

BROWN UNIVERSITY,

1885-6.



PROVIDENCE:

E. A. JOHNSON & Co., PRINTERS, 57 WEYBOSSET ST.

1885.

ISSUED, NOVEMBER, 1885.

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COLLEGE CALENDAR FOR 1885-86.

1885.

- September 2,* *Wednesday.* Annual Meeting of the Corporation.
- September 16,* *Wednesday.* **Academic Year begins** (third Wednesday in September).
- November 26,* *Thursday.* Thanksgiving Day. No College exercises on Thursday, Friday and Saturday of Thanksgiving week.
- Christmas Holidays,** from evening of Wednesday, December 23, 1885, to evening of Tuesday, January 5, 1886.

1886.

- January 21-27,* *Thursday to Wednesday.* Semi-Annual Examinations of College Classes.
- January 28,* *Thursday.* **Second Half-year Begins.**
- February 22,* *Monday.* Washington's Birthday. No College exercises.
- Spring Recess,** Saturday, March 27, to Monday evening, April 5.
- May 17-22,* *Monday to Saturday.* Examination of Senior Class.
- May 31,* *Monday.* Decoration Day. No College exercises.

<i>June 4-10,</i>	<i>Friday to Thursday.</i> Semi-Annual Examinations of College Classes.
<i>June 11,</i>	<i>Friday.</i> Class Day.
<i>June 13,</i>	<i>Sunday.</i> Baccalaureate Sermon.
<i>June 14,</i>	<i>Monday.</i> Sophomore Prize Declamation.
<i>June 15,</i>	<i>Tuesday.</i> Annual Meeting of the Phi Beta Kappa Society, 9.30 A. M.
<i>June 15,</i>	<i>Tuesday.</i> Annual Alumni Meeting, in Manning Hall, at 4 P. M.
<i>June 16,</i>	<i>Wednesday.</i> One hundred and eighteenth annual Commencement (third Wednes- day in June).
<i>June 17,</i>	<i>Thursday.</i> Meeting of the Corporation.
<i>June 17, 18, 19,</i>	<i>Thursday, Friday, Saturday.</i> Examinations for admission to College.
Summer Vacation.	
<i>September 1,</i>	<i>Wednesday.</i> Annual Meeting of the Corporation, in Manning Hall (first Wednesday in September).
<i>September 13, 14,</i>	<i>Monday, Tuesday.</i> Examinations of Delinquents in College studies.
<i>September 13, 14,</i>	<i>Monday, Tuesday.</i> Examinations for admission to College.
<i>September 15,</i>	<i>Wednesday.</i> Academic Year begins.

CORPORATION.

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WILLIAM V. KELLEN, A. B., Boston, Mass.

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AND

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72 College Street.

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Hazard Professor of Physics,
72 Waterman Street.

* *Elton Professor of Natural Theology,*

JOHN WHIPPLE POTTER JENKS, A. M.,

Professor of Agricultural Zoölogy, and Curator of the Museum,
Middleboro', Mass.

ALONZO WILLIAMS, A. M.,

Professor of Modern Languages,
10 Cushing Street.

WILLIAM CAREY POLAND, A. M.,

Assistant Professor of Latin and Greek,
12 Barnes Street.

ALPHEUS SPRING PACKARD, M. D., PH. D.,

Professor of Zoölogy and Geology,
115 Angell Street.

*At present, instruction in Natural Theology is given by the PRESIDENT of the University.

NATHANIEL FRENCH DAVIS, A. M.,

Assistant Professor of Mathematics,

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HOWARD MALCOM TICKNOR, A. M.,

Instructor in Elocution,

Boston, Mass.

CHARLES VALUE CHAPIN, M. D.,

Instructor in Physiology,

36 Olive Street.

WILLIAM SHIELDS LISCOMB, A. M.,

Instructor in Modern Languages.

OTIS EVERETT RANDALL, A. B.,

Instructor in Mathematics,

Beaufort Street, cor. Carleton.

CHARLES ALFRED POTTER,

Assistant Instructor in Analytical Chemistry,

Cranston.

GUGLIELMO D'ARCAIS,

Instructor in Modern Languages,

Butler Exchange, IV, 2½.

HERMON CAREY BUMPUS, B. P.,

Assistant in the Museum and the Zoölogical Laboratory,

31 George Street.

REUBEN ALDRIDGE GUILD, LL. D.,

Librarian,

34 Pratt Street.

JOHN MILTON BURNHAM, A. M.,

Assistant Librarian,

325 Friendship Street.

GILMAN PARKER ROBINSON,

Registrar,

72 College Street.

ARCHIBALD GRANT DELANEY,

Steward,

32 Amy Street.

SENIOR CLASS.

NAME.	RESIDENCE.	ROOM.
Howard Almy,	<i>Providence,</i>	75 Angell St.
William Henry Beattie,	<i>Fall River, Mass.,</i>	University, 19.
William Henry Bennett,	<i>Fitchburg, Mass.,</i>	Hope, 9.
Charles Wesley Boardman,	<i>Pawtucket,</i>	68 High St.
Charles Albert Briggs,	<i>Brockton, Mass.,</i>	Hope, 5.
Dana Ripley Bullen,	<i>Pawtucket,</i>	Pawtucket.
Edward Clifton Burnham,	<i>Pawtucket,</i>	Pawtucket.
Clarence Everett Bury,	<i>Fall River, Mass.,</i>	Hope, 39.
David Henry Chandler,	<i>Little Britain, N. Y.,</i>	University, 41.
Thomas Sessions Cole,	<i>Seekonk, Mass.,</i>	Seekonk.
Asa Clinton Crowell,	<i>Cumberland Mills,</i>	Cumberland Mills.
Amos Lockwood Danielson,	<i>Providence,</i>	160 Waterman St.
Frederic William Davis,	<i>Central Falls,</i>	168 Central St.
Frank Ormond Draper,	<i>Pawtucket,</i>	Pawtucket.
William Allan Dyer,	<i>Fall River, Mass.,</i>	Slater, 12.
Henry Lexington Everett,	<i>Worcester, Mass.,</i>	University, 53.
William Burnside Frackelton,	<i>Providence,</i>	49 Althea St.
Otis Allen Freeman,	<i>Worcester, Mass.,</i>	Hope, 31.
Henry Frink,	<i>Preston City, Conn.,</i>	Hope, 44.
William Henry Frost,	<i>Providence,</i>	124 Smith St.
Daniel Hunt Fuller,	<i>Providence,</i>	48 Transit St.
Edward Alvah Godding,	<i>Providence,</i>	University, 48.
George Grime,	<i>Fall River, Mass.,</i>	Hope, 26.
Norman Gunderson,	<i>Providence,</i>	35 Pitman St.
Edward Leroy Gunn,	<i>Fort Scott, Ks.,</i>	University, 48.
Samuel Willis Hamblen,	<i>Holden, Mass.,</i>	Hope, 30.
Stephen Cushing Harris,	<i>Providence,</i>	90 Angell St.
Herbert Wade Hibbard,	<i>Providence,</i>	Hope, 15.

NAME.	RESIDENCE.	ROOM.
Norman Morrison Isham,	<i>Warwick,</i>	Warwick.
Solon Chester Kelley,	<i>Pawtucket,</i>	Slater, 7.
Isaac Gifford Ladd,	<i>Brooklyn, N. Y.,</i>	Slater, 3.
William Albert Lane,	<i>Philadelphia, Pa.,</i>	University, 25.
Charles Eugs Lawton,	<i>Newport,</i>	Slater, 18.
Clarence Hartwell Manchester,	<i>Providence,</i>	147 Washington St.
Charles John McCreery,	<i>Fall River, Mass.,</i>	Hope, 39.
Frank Lincoln Morse,	<i>Providence,</i>	Hope, 26.
William Prescott Mudge,	<i>Providence,</i>	272 Plain St.
William Thomas Nicholson, Jr.,	<i>Providence,</i>	17 Brownell St.
John Edward Nicolai,	<i>Newport,</i>	Slater, 5.
Charles Albert Parker,	<i>Houlton, Me.,</i>	Hope, 8.
Wilbur Brown Parshley,	<i>Live Oak, Fla.,</i>	Hope, 29.
Albert Knight Potter, Jr.,	<i>Boston, Mass.,</i>	Slater, 7.
Charlton Albanis Reed,	<i>Flemington, N. J.,</i>	University, 4.
Thomas George Rees,	<i>Providence,</i>	37 Woodbine St.
Francis Wayland Reynolds,	<i>Mt. Pleasant, Pa.,</i>	Hope, 22.
William Job Reynolds, Jr.,	<i>Providence,</i>	4 Oak St.
Clarence Verdine Roberts,	<i>Montpelier, Vt.,</i>	University, 13.
Arthur Rogers,	<i>Providence,</i>	177 Hope St.
Joseph Somers Russel,	<i>Bordentown, N. J.,</i>	Hope, 45.
Amos Lockwood Sarle,	<i>Warwick,</i>	Hope 34.
Oliver Perry Sarle, Jr.,	<i>Warwick,</i>	Hope, 34.
Edwin Stanley Thompson,	<i>Providence,</i>	31 Jefferson St.
Edmund Gorham Thurber,*	<i>Providence,</i>	Slater, 16.
Arthur Leonard Wadsworth,	<i>Pawtucket,</i>	University, 53.
Joseph Hooker Ward,	<i>Middletown,</i>	Slater, 12.
Stephen Waterman,	<i>Providence,</i>	72 Meeting St.
William Shaw White,	<i>Pawtucket,</i>	Pawtucket.
William Wilberforce Whitten,	<i>Holliston, Mass.,</i>	University, 44.
Allan Herbert Willett,	<i>Suffield, Conn.,</i>	University, 45.
George Washington Willis,	<i>Allegheny, Pa.,</i>	Slater, 19.
George Grafton Wilson,	<i>Providence,</i>	Slater, 13.

*Under conditions, or not fully examined.

JUNIOR CLASS.

NAME.	RESIDENCE.	ROOM.
George Willis Brechbill,	<i>Fultonham, O.,</i>	Hope, 31.
Walter Cochrane Bronson,	<i>Andover, Mass.,</i>	Hope, 22.
Clarence Augustus Carr,	<i>Newport,</i>	Slater, 8.
Wayland Johnson Chase,	<i>Exeter, N. H.,</i>	Hope, 14.
William Nelson Chase,	<i>Exeter, N. H.,</i>	Hope, 14.
Edmund Denison Chesebro,	<i>Stonington, Conn.,</i>	University, 54.
Homer Clark,	<i>Colchester, Conn.,</i>	University, 30.
Gardner Colby,	<i>Orange, N. J.,</i>	University, 10.
Harry Frederick Colwell,*	<i>Providence,</i>	University, 40.
Arthur Irving Connell,	<i>Fall River, Mass.,</i>	Slater, 15.
Clarence Buck Crawford,	<i>Ottawa, Ks.,</i>	University, 47.
George Hazard Crooker,	<i>Providence,</i>	University, 40.
John De Forest Danielson,	<i>Providence,</i>	64 Angell St.
George Owen Dexter,	<i>Nayatt,</i>	Nayatt.
Frank Sigel Dietrich,	<i>Ottawa, Ks.,</i>	University, 47.
George Wilton Field,	<i>Brockton, Mass.,</i>	Slater, 15.
Walter Osgood Forde,	<i>Gloucester, Mass.,</i>	Slater, 10.
Isaac Hudson Gilhuly,	<i>Keyport, N. J.,</i>	Hope, 43.
Theodore Francis Green,	<i>Providence,</i>	14 John St.
John Henshaw,	<i>Providence,</i>	Slater, 16.
Irving Clifton Hicks,	<i>Providence,</i>	500 High St.
Albert Walker Hinds,	<i>West Boylston, Mass.,</i>	Hope, 30.
George Arthur Jepherson,	<i>Providence,</i>	Slater, 13.
Walter Esmond Keach,	<i>Valley Falls,</i>	Valley Falls.
John Knox,	<i>Haywards, Cal.,</i>	University, 12.
Lucky Alonzo Lindsay,	<i>Jacksboro', Tenn.,</i>	Hope, 47.

NAME.	RESIDENCE.	ROOM.
Eugene Clayton Mowry,*	<i>Woonsocket,</i>	Woonsocket.
Dana Carleton Munro,	<i>Bristol,</i>	Hope, 23.
James Francis Murphy,	<i>Central Falls,</i>	Central Falls.
William Overton, Jr.,	<i>Pawtucket,</i>	Pawtucket.
Charles Currier Phillips,	<i>Nashville, Tenn.,</i>	72 Bridgham St.
George Ripley Pinkham,	<i>Thompson, Conn.,</i>	Hope, 38.
William Robert Potter,	<i>Phenix,</i>	43 So. Main St.
Alfred Merritt Quick,	<i>Plainfield, Conn.,</i>	Hope, 11.
Howard Prescott Quick,	<i>Plainfield, Conn.,</i>	Hope, 11.
Philip Joseph Reid,	<i>Providence,</i>	160 Charles St.
Walter Reuben Scott,	<i>Danielsonville, Conn.,</i>	University, 41.
Richard Mitchell Sherman, Jr.,	<i>Oakland, Cal.</i>	University, 18.
Louis Franklin Snow,	<i>Providence,</i>	779 High St.
William Walter Wakeman,	<i>Moodus, Conn.,</i>	Hope, 41.
Harry Franklin Walker,	<i>Thomaston, Me.,</i>	Pawtucket.
Joseph Walker,	<i>Worcester, Mass.,</i>	Slater, 4.
Augustus Daniel Wheeler,	<i>Midvale, N. J.,</i>	Hope, 41.
Charles Lincoln White,	<i>Winchester, Mass.,</i>	University, 31.
Frank Denison White,	<i>Rutland, Vt.</i>	Slater, 4.
Beniah Longley Whitman,	<i>Marlboro', Mass.,</i>	Hope, 27.
Richard Wright,	<i>Providence,</i>	Hope, 43.
Herrick Platt Young,	<i>Providence,</i>	80 Parade St.

Select Course.

Edward French Thompson,	<i>Fall River, Mass.,</i>	Slater, 10.
James William Walker,	<i>Saylesville,</i>	Saylesville.

SOPHOMORE CLASS.

NAME.	RESIDENCE.	ROOM.
Carl Hewes Abbott,	<i>Oakland, Cal.,</i>	105 Williams St.
William Franklin Arrington,	<i>Salem, Mass.,</i>	Hope, 16.
Clarence Augustus Barbour,	<i>Hartford, Conn.,</i>	University, 54.
Henry Ames Barker,*	<i>Providence,</i>	Hope, 19.
Josiah Bartlett,	<i>Kingston,</i>	Hope, 13.
Francis Joseph Belcher,	<i>Providence,</i>	Slater, 19.
Arthur Joy Bentley,	<i>Providence.</i>	290 Broadway.
Eli Whitney Blake, 3d,	<i>Providence,</i>	72 Waterman St.
George Samson Brown,	<i>Providence,</i>	38 Angell St.
Ernest Henry Brownell,	<i>Bristol,</i>	91 Westminster St.
Francis Herbert Brownell,	<i>Little Compton,</i>	University, 43.
Winthrop White Brownell,	<i>Providence,</i>	195 Benefit St.
Clayton Platt Brunsen,	<i>Bristol,</i>	Slater, 2.
Charles Kemble Chambers,	<i>Mount Holly, N. J.,</i>	Slater, 14.
Albert Burke Cook,	<i>Providence,</i>	144 Angell St.
Charles Doughty Cooke,	<i>Paterson, N. J.,</i>	University, 43.
James Floyd Denison,	<i>Sheboygan Falls, Wis.,</i>	Hope, 46.
Charles Edward Dennis, Jr.,	<i>Providence,</i>	10 Willow St.
Edwin King Dexter,	<i>Sharon, Vt.,</i>	University, 13.
Henry Ledyard Goddard,*	<i>Providence,</i>	36 George St.
William Edgar Grigg,	<i>Lincolnton, N. C.,</i>	Slater, 9.
Clarence Grant Hamilton,	<i>Providence,</i>	66 Federal St.
Frederick Augustus Harris,	<i>Providence,</i>	University, 33.
Morris William House,	<i>Barrington,</i>	Barrington.
John Fred Humes,	<i>West Sutton, Mass.,</i>	Hope, 16.
John Powell Hunter,	<i>Altoona, Pa.,</i>	Hope, 15.
Frank Richmond Jenks,	<i>Pawtucket,</i>	Hope, 18.
Elliott Woodbury Lamson,	<i>Hamilton, Mass.,</i>	Hope, 25.
William Millard Lippitt,	<i>Providence,</i>	97 Smith St.

NAME.	RESIDENCE.	ROOM.
Alexander Marshall,	<i>Ashton,</i>	Ashton.
Charles Franklin Medbury,	<i>Foxboro', Mass.,</i>	Johnston.
William Joseph Moroney,	<i>Pawtucket,</i>	Hope, 18.
William Samuel Pease,	<i>Providence,</i>	29 Benevolent St.
Frank Sargent Phillips,	<i>Millville, Mass.,</i>	29 Hammond St.
Henry Winn Pinkham,	<i>Thompson, Conn.,</i>	Hope, 38.
John Cornelius Quinn,	<i>Providence,</i>	374 Wickenden St.
Orman Eris Ryther,	<i>Newport, Vt.,</i>	Hope, 46.
Louis Childs Sanford,	<i>Bristol,</i>	University, 31.
Harry Tuck Sherman,*	<i>New York, N. Y.,</i>	University, 27.
Walter Burges Smith,	<i>Providence,</i>	114 Benevolent St.
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Arthur Eugene Watson,	<i>Waltham, Mass.,</i>	University, 55.
Fred Earle Whitaker,	<i>Woonsocket,</i>	Hope, 28.
William Allen Wilbur,	<i>Mystic River, Conn.,</i>	University, 54.
Albert Avery Williams,	<i>Providence,</i>	Hope, 36.
William Harry Williams,	<i>Northampton, Mass.,</i>	Hope, 25.
Erving Yale Woolley,	<i>Pawtucket,</i>	Pawtucket.
Rollin Chappel Wooster,	<i>New Britain, Conn.,</i>	Hope, 6.
Clarence Whitford Young,	<i>Ottawa, Ks.,</i>	Hope, 13.

Select Course.

Edward Wainwright Brunsen, Jr.,	<i>Bristol,</i>	Slater, 2.
Harry Marsh Burrows,	<i>Cleveland, O.,</i>	University, 9.
Frank Gaylord Eastman,	<i>Howard,</i>	Slater, 14.
John Matteson,	<i>Providence,</i>	13 Pike St.
William Attmore Robinson,	<i>Providence,</i>	37 Angell St.

FRESHMAN CLASS.

NAME.	RESIDENCE.	ROOM.
Earl Newton Adams,	<i>Moravia, N. Y.,</i>	Hope, 21.
Francis Wayland Ayer,	<i>Providence,</i>	Hope, 17.
Oliver Sargent Ayer,	<i>Providence,</i>	Hope, 17,
William Henry Barnard,	<i>Centredale,</i>	Hope, 47.
Arthur Ellis Barrows,	<i>Providence,</i>	25 Constitution St.
Bertram Sinclair Blaisdell,	<i>Providence,</i>	255 Potter's Ave.
Edwin Davidson Blanchard,	<i>Hudson Centre, N. H.,</i>	Hope, 32.
Frederic Huntington Briggs,	<i>Boston, Mass.,</i>	University, 27.
Thomas Edwin Brown, Jr.,	<i>Providence,</i>	38 Angell St.
Wilmot Atherton Brownell,	<i>Providence,</i>	University, 16.
Francis Burdick,	<i>Newport,</i>	Slater, 8.
Almon Christie Burnham,	<i>Pawtuxet,</i>	University, 13.
John Cameron,	<i>White Lake, Ont.,</i>	Hope, 4.
Frank Williams Carpenter,	<i>Attleboro', Mass.,</i>	Hope, 28.
Frederic Everett Carpenter,	<i>Ashton,</i>	Ashton.
Albert Stanton Chesebro,	<i>Bristol,</i>	University, 34.
Arthur Franklin Clark,	<i>Providence,</i>	10 Paine St.
Louis St. Clair Colby,	<i>Orange, N. J.,</i>	University, 10.
Arthur Cushing,	<i>North Providence,</i>	Hope, 23.
William Brecke Deane,	<i>Ogdensburg, N. Y.,</i>	University, 22.
Charles Arthur Denfeld,	<i>Westboro', Mass.,</i>	University, 22.
Charles Farnsworth,	<i>Norwich, Conn.,</i>	University, 18.
Archibald Angus Freeman,	<i>Cortland, N. Y.,</i>	University, 50.
Sylvanus Everett Frohock,	<i>Boston, Mass.,</i>	Hope, 4.
William Howatt Gardner,	<i>New Brunswick, N. J.,</i>	Hope, 44.
Edwin Penn Goodell,	<i>Webster, Mass.,</i>	123 Clifford St.
John Goudie Gordon,	<i>Lowell, Mass.,</i>	Hope, 45.
George Preston Grant, Jr.,	<i>Central Falls,</i>	Hope, 28.
Walter Perley Hall,	<i>Worcester, Mass.,</i>	University, 16.
George Clark Harrington,	<i>Providence,</i>	University, 46.
Lauriston Hartwell Hazard,	<i>Providence,</i>	47 George St.
Ralph Wentworth Jackson,	<i>Fall River, Mass.,</i>	Slater, 20.
Ernest Potter Jenks,	<i>North Brookfield, Mass.,</i>	5 Humboldt Ave.
Prescott Ford Jernegan,	<i>Edgartown, Mass.,</i>	Hope, 32.
Allen Tibbitts Johnson,	<i>Providence,</i>	Slater, 1.
Charles Goodrich King,	<i>Providence,</i>	University, 8.

NAME.	RESIDENCE.	ROOM.
George Jones King,	<i>Providence,</i>	University, 8.
William Gilbert Lathrop,	<i>Providence,</i>	17 Angell St.
Harry Plummer Lovewell,	<i>Providence,</i>	125 Pearl St.
George Raynesford Macleod,	<i>East Providence,</i>	Slater, 12.
Edward Payson Manning,	<i>Raynham, Mass.,</i>	University, 55.
Francis Heber Mansfield,	<i>Taunton, Mass.,</i>	Hope, 37.
Richard Runyon Martin,	<i>Kingstown, N. Y.,</i>	98 Bowen St.
Robert Lewis Preston Mason,	<i>Providence,</i>	University, 45.
George Packard,	<i>Providence,</i>	University, 45.
Henry Fenno Parker,	<i>Brockton, Mass.,</i>	Slater, 20.
Herbert Ware Parmenter,	<i>Providence,</i>	University, 55.
Carl Copping Plehn,	<i>Providence,</i>	17 Pleasant St.
George Porter,	<i>Bridgeport, Conn.,</i>	Slater, 5.
Edward Harris Rathbun,	<i>Woonsocket,</i>	Slater, 3.
Herbert Ambrose Rice,	<i>Pawtucket,</i>	Pawtucket.
Edward Thompson Root,	<i>Providence,</i>	22 Mawney St.
Frederick Wescott Sarle,	<i>Warwick,</i>	Warwick.
Charles Aaron Sawyer,	<i>Malone, N. Y.,</i>	University, 51.
Dennis Harvey Sheahan,	<i>Providence,</i>	90 Veazie St.
Albert Allen Silver, Jr.,	<i>Derby Centre, Vt.,</i>	University, 12.
Newton Mercer Simmonds,	<i>Taunton, Mass.,</i>	Hope, 37.
Warren Seabury Simmons, Jr.,	<i>Providence,</i>	University, 8.
Charles Francis Smith,	<i>Jamestown, N. Y.,</i>	University, 51.
Ernest Gilbert Smith,	<i>Saxton's River, Vt.,</i>	Hope, 29.
Frank Austin Smith,	<i>Brooklyn, N. Y.,</i>	University, 21.
David Grant Smyth,	<i>East Northwood, N. H.,</i>	161 Benefit St.
Robert Lincoln Spencer,	<i>Providence,</i>	35 Sycamore St.
Vernon Purinton Squires,	<i>Cortland, N. Y.,</i>	University, 50.
Augustus Taber Swift,	<i>New Bedford, Mass.,</i>	74 Broadway.
George Eddy Warren,	<i>Newton Centre, Mass.,</i>	University, 19.
Frank Harlow Wildes,	<i>Providence,</i>	31 Ringgold St.
Appleton Park Williams,	<i>Providence,</i>	179 Angell St.
John Parker Williams,	<i>Chester, Vt.,</i>	Hope, 48.
Nathan Manchester Wright,	<i>Johnston,</i>	Johnston.

Select Course.

Channing Bishop,	<i>Bristol, N. H.,</i>	98 Atwell's Ave.
Augustus Osborn Bourn, Jr.,	<i>Bristol,</i>	University, 33.
Hugh Alphonsus Bradley,	<i>Providence,</i>	Hope, 21.
George Edwin Spalding,	<i>Billerica, Mass.,</i>	174 Washington St.

TIMES AND CONDITIONS OF ADMISSION.

The regular examinations for admission to the FRESHMAN CLASS will take place on Thursday, Friday and Saturday of Commencement week, June 17, 18 and 19, 1886, beginning at 8 o'clock, A. M., on Thursday. *Candidates must be in attendance during the three days.*

On Thursday, at 8 A. M., candidates meet in the South Room of Rhode Island Hall to register, and to be arranged in divisions (I. and II.). In each of the examinations, division I. will occupy the North Room of Rhode Island Hall, division II. the South Room of the same building.

The order of the examinations will be :

THURSDAY, JUNE 17.

Mathematics, from 8.15 A. M. to 12.30 P. M. ; *Latin*, from 2.30 to 6 P. M.

FRIDAY, JUNE 18.

Greek, from 9 A. M. to 12.30 P. M. ; *French*, from 3 to 5 P. M.

SATURDAY, JUNE 19.

English, from 9 to 11 A. M.

There will be, as follows, a second examination in each of the above branches, on Monday and Tuesday, September 13 and 14, 1886. *Applicants must be in attendance on both days.*

MONDAY, SEPT. 13.

French, North Room, R. I. Hall, 9 to 11 A. M.

English, South Room, R. I. Hall, 11.30 A. M. to 1 P. M.

Mathematics, North Room, R. I. Hall, 2 to 6 P. M.

TUESDAY, SEPT. 14.

Latin, North Room, R. I. Hall, 8 to 10.30 A. M.

Greek, South Room, R. I. Hall, 11 A. M. to 1.30 P. M.

For admission to **ADVANCED STANDING**, candidates not from other colleges must be examined in the studies already pursued by the class which they propose to enter. These examinations will be held in Rhode Island Hall, also on Monday and Tuesday, September 13 and 14.

No student can be admitted as a candidate for matriculation, unless he bring suitable testimonials of good moral character. If from another college, he must also present a certificate of his rank in the college which he has left, and of regular dismissal from it.

For the Courses for the Degree of Bachelor of Arts.

Candidates for admission to the Freshman Class are examined in the following subjects; but real equivalents will be received for any of the Latin or Greek works mentioned:

1. Greek. 1. Greek Grammar (Hadley's is preferred). 2. The Syntax and Greek Selections in Harkness's "First Greek Book," or an equivalent from any other Greek Reader. 3. The whole of Xenophon's Anabasis, or *five* books of the Anabasis and *two* books of Homer; the Odyssey is preferred. 4. The

first *twenty* exercises of Arnold's Greek Prose Composition, or the first *twenty-five* exercises of Jones's Greek Prose Composition. 5. The general history of Greece to the death of Alexander.

NOTE.—In place of the examination in five books of the *Anabasis* and two of Homer, candidates may, at their option, substitute an examination in translating at sight passages of ordinary difficulty from the works of Xenophon and from Homer. Candidates thus examined will be supplied with a vocabulary of the less usual words.

II. **Latin.** Caesar, *Gallic War*, books I.–IV., or books I.–III., and Sallust's *Catiline*, with questions on the subject-matter and on grammar. 2. Ovid, twenty-five hundred lines (Lincoln's edition). 3. Cicero, the *Orations against Catiline*, and the *Oration for Archias*, with questions, as on Caesar. 4. Vergil, *Aeneid*, books I.–VI., or *Aeneid*, books I.–V., and the *Eclogues*, with questions on the subject-matter and on prosody. 5. Translation, at sight, of ordinary passages from Caesar, Cicero's *Orations*, Vergil's *Aeneid* and Ovid's *Metamorphoses*, with questions on grammar, prosody, history and antiquities, suggested by the passages assigned. 6. Translation into Latin of simple English sentences. 7. Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose. 8. Outlines of Roman Geography, and of Roman History to the end of the reign of Marcus Aurelius. It is recommended that pupils be accustomed, from the beginning of their preparatory course, to translate into Latin, both orally and in writing, passages prepared by the teachers on the basis of the prose authors read.

In pronouncing Latin, it is recommended that *ā* be pronounced as in *father*, *ǎ* as the first *a* in *apart*; *ē* as in *prey*, *ě* as in *men*; *ī* as in *machine*, *ĩ* as in *pity*; *ō* as in *old*, *ǒ* as in *nor*; *ū* as in *rule*, *ũ* as in *put*; *j* as *y* in *yard*; *c* always as *k* in *king*; *g* always as *g* in *get*.

III. Mathematics. 1. Arithmetic, including the Metric System of Weights and Measures. 2. Algebra, through Equations of the Second Degree, including Arithmetical and Geometrical Progression and the use of the Binomial Formula. 3. Plane Geometry.

IV. English Composition. Candidates will be required to write a brief composition upon a subject assigned at the time of examination. These compositions must be correct in expression and division into paragraphs, as well as in grammar, punctuation and spelling.

In 1886, the subject will be taken from one of the following works: Shakspeare's Julius Caesar and Macbeth; Dickens's Tale of Two Cities; Scott's Abbot; Pope's Rape of the Lock; Lowell's Vision of Sir Launfal.

Candidates are expected to be familiar with all the above works.

Specimens of incorrect English will also be assigned for correction.

For 1887, the list will be: Shakspeare's Julius Caesar; Johnson's Lives of Milton and Dryden; Milton's Paradise Lost, I. and II.; Dryden's Alexander's Feast; Scott's Quentin Durward; Irving's Bracebridge Hall.

For 1888, Shakspeare's Julius Caesar and Twelfth Night; Johnson's Lives of Addison and Pope; Thackeray's English Humorists; A. Dobson's Eighteenth Century Essays; Pope's Essay on Criticism and Rape of the Lock; Miss Austen's Pride and Prejudice; Irving's Bracebridge Hall.

For 1889, Shakspeare's Julius Caesar and As You Like It; Johnson's Lives of Swift and Gray; Thackeray's English Humorists; Gray's Elegy written in a Country Churchyard; Miss Austen's Pride and Prejudice; Scott's Rob Roy and Marmion.

For 1890, Shakspeare's Julius Caesar and Midsummer Night's Dream; Macaulay's Life of Johnson and Essay on Boswell's Life of Johnson; Carlyle's Essay on Boswell's Life of Johnson; Johnson's Vanity of Human Wishes; Goldsmith's Vicar of Wakefield and Deserted Village; A. Dobson's Eighteenth Century Essays; Macaulay's Lays of Ancient Rome.

V. French. Otto's French Grammar, *including the Reading Lessons.*

An additional examination is offered to candidates desiring to enter the advanced Division of the Freshman Class.

Those deficient in this study will be regarded as on a select course until they have qualified themselves in it to enter the class.

Preliminary Examinations.

In the Preparatory studies named below, candidates may be examined one year before the time at which they intend to apply for admission to the Freshman Class. These examinations will occur, for 1886, on Thursday and Friday, June 17 and 18, *and then only*. They will be held in the *Chemical Lecture Room*, and in the following order:

THURSDAY, JUNE 17.

Arithmetic, from 8 to 10.30 A. M.

Latin, from 2.30 to 5.30 P. M.

FRIDAY, JUNE 18.

Greek, from 9 A. M. to 12 M.

The subjects will be:

I. In Greek.

1. Greek Grammar (Hadley's is preferred).
2. The Syntax and Greek selections in Harkness's First Greek Book, or an equivalent from any other Greek Reader.
3. Three books of Xenophon's Anabasis.

II. In Latin.

1. Latin Grammar (Harkness's is preferred).
2. Caesar, or Caesar and Sallust, as on page 24.
3. Translation into Latin of simple sentences.
4. Ovid, or Cicero, or Vergil, as on page 24.

III. In Mathematics.

Arithmetic, including the Metric System of Weights and Measures.

For the Courses for the Degree of Bachelor of Philosophy.

Courses of instruction for this degree, as for that of Bachelor of Arts, embrace four years. Here certain studies are elective from the beginning, offering to candidates two main courses, one including classical studies, the other omitting these and presenting a larger number of mathematical and scientific studies. Both courses are susceptible of ample variation through election.

Candidates for admission to a course including *Greek* are examined in all the Greek subjects specified on pages 23, 24. They are also examined in all the subjects in the list below.

Candidates for admission to a course including *Latin* are examined in all the Latin subjects specified on page 24. They are also examined in all the subjects, except the Latin, in the list below.

Candidates for admission to a course *omitting* classical studies are examined in the following subjects :

I. Latin.

Five books of Caesar, or its equivalent in Cicero or in Vergil.

II. Mathematics.

1. Arithmetic, including the Metric System of Weights and Measures.
2. Algebra, through Equations of the Second Degree, including Arithmetical and Geometrical Progression and the use of the Binomial Formula.
3. Plane Geometry.

III. English.

Candidates will be required to write a brief composition upon a subject assigned at the time of examination. These compositions must be correct in expression and division into paragraphs, as well as in grammar, punctuation and spelling.

In 1886, the subject will be taken from one of the following works : Shakspeare's Julius Caesar and Macbeth ; Dickens's Tale of Two Cities ; Scott's Abbot ; Pope's Rape of the Lock ; Lowell's Vision of Sir Launfal.

Candidates are expected to be familiar with all the above works.

Specimens of incorrect English will also be assigned for correction.

For the subjects for 1887, 1888, 1889 and 1890, see page 25.

IV. French.

Otto's French Grammar, *including the Reading Lessons*. An additional examination is offered to candidates desiring to enter the advanced Division of the Freshman Class.

Those deficient in this study will be regarded as on a select course until they have qualified themselves in it to enter the class.

SELECT COURSES.

Students who wish to pursue a Select Course, without entering as candidates for a degree, must be examined in such subjects as are preliminary to the studies which they desire to pursue in College.

COURSES OF INSTRUCTION.FIRST: FOR THE DEGREE OF BACHELOR
OF ARTS.

FRESHMAN CLASS.

First Half-Year.

1. *Greek.* Felton's Greek Historians. Greek Composition. Smith's History of Greece. *Four hours a week.*
2. *Latin.* Livy (Lincoln's Selections), Books I., II., XXI., XXII. Harkness's Latin Composition, Part III. History of Rome. *Four hours a week.*
3. *Mathematics.* Geometry, Solid and Spherical. Plane Trigonometry. *Six hours a week.*
4. *French.* First Division. (1) The *Athalie* of Racine will be read in the class. (2) Examinations will be held upon the *Esther*, *Iphigénie* and *Phèdre* of Racine. Second Division. (1) Three books of the *Télémaque* of Fénelon will be read in the class. (2) Examinations will be held upon three additional books of *Télémaque*. Williams's *Subjunctive Mood* (both Divisions). Voluntary divisions will be arranged with all who desire to read more of Racine or Fénelon. *Two hours a week.*

Second Half-Year.

1. *Greek.* Homer's Iliad. Greek Composition. *Four hours a week.*
2. *Latin.* Cicero, *De Senectute* and *De Amicitia*. Selections from Cicero's Epistles. Latin Composition. *Four hours a week.*

3. *Mathematics.* Spherical Trigonometry. Algebra. *Six hours a week.*
 4. *French.* First Division. (1) The *Horace* of Corneille will be read in the class. (2) Examinations will be held upon the *Cid*, *Cinna* and *Polyeucte* of Corneille. Second Division. (1) The *Horace* of Corneille will be read in the class. (2) Examination will be held upon the *Cid*. Voluntary divisions will be arranged with all who desire to read more of this author. *Two hours a week.*
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SOPHOMORE CLASS.

First Half-Year.

1. *Greek.* Demosthenes, Public Orations. *Three hours a week.*
2. *Latin.* Horace (Lincoln's Edition). Latin Composition. *Three hours a week.*
3. *Astronomy.* Newcomb and Holden's Astronomy, with Lectures. Principal authors referred to: Newcomb, Herschel, Chauvenet. *Three hours a week.*
4. *Rhetoric.* Method of English Composition. A. S. Hill's Principles of Rhetoric. Essays. Principal Books of Reference: Campbell's Philosophy of Rhetoric, Whately's Elements of Rhetoric, Hunt's Principles of Written Discourse and D. J. Hill's Science of Rhetoric. *Two hours a week.*
5. *Elocution.* Lectures and Exercises. Principal Works of Reference: Rush on the Voice; Murdoch and Russell's Vocal Culture; The Speaking Voice, Hullah; Throat and Voice, Cohen. *Once a week.*
6. Two of the following elective studies:*
- (1.) *Mathematics.* General Geometry. *Two hours a week.*
- (2.) *German.* Whitney's Brief Grammar. Exercises in German Composition. Practice in German Conversation. Joynes's Reader. *Two hours a week.*

*Choice of electives both here and in the following years, subject to the schedule of recitations.

- (3.) *French.* Molière. *Two hours a week.*
- (4.) *Physiology.* Lectures. Books of reference: in Anatomy, Quain and Gray; in Physiology, Dalton, Flint and Foster; in Hygiene, Buck. *Two hours a week.*

Second Half-Year.

1. *Greek.* Sophocles. Lectures. *Three hours a week.*
2. *Latin.* The *Agricola* and the *Germania* of Tacitus. Pliny's Letters. Latin Composition. *Three hours a week.*
3. *Mechanics.* *Three hours a week.*
4. *Rhetoric.* A. S. Hill's Principles of Rhetoric. Exercises in Rhetorical Criticism. Essays. *Two hours a week.*
5. *Elocution.* Lectures and Exercises, with Declamations. For reference, Bacon's Manual of Gesture. *One hour a week.*
6. Two of the following elective studies:
 - (1.) *Mathematics.* General Geometry. *Two hours a week.*
 - (2.) *German.* Advanced Grammar. Exercises in German Composition. *Der Zerbrochene Krug* of Zschokke, *Eigensinn* of Benedix. *Two hours a week.*
 - (3.) *French.* Modern Authors. *Two hours a week.*
 - (4.) *Botany.* Lectures and field excursions. *Two hours a week.*

JUNIOR CLASS.

First Half-Year.

1. *Rhetoric.* English Literature from the Fifth to the Seventeenth century. Historical Outlines of the English Language. Manual of English Literature, with Readings from authors. Principal authors referred to: in Language, Marsh, Müller, Whitney and Sayce; in Literature, Taine, Ward, Morley and Shaw. *Four hours a week.* Essays and Orations, *Saturdays.*
2. *Elocution,* Private rehearsals of Orations.

3. *Chemistry*. Lectures. The lectures are illustrated by experiments and colored charts and by blackboard exercises. Books of Reference: Fownes's *Chemistry*, Roscoe and Schorlemmer's *Chemistry*, Cooke's *Chemical Philosophy*. *Three hours a week*.
4. *Physics*. Lectures, illustrated by experiments, also Recitations, both in writing and oral. Books of Reference: Atkinson's *Ganot*, Deschanel's *Natural Philosophy*, Silliman's *Physics*. *Five hours a week*.
5. A sufficient number of the following elective courses to make up *four or five hours a week*:
 - (1.) *Greek*. Euripides. *Two hours*.
 - (2.) *Latin*. Horace's *Ars Poetica*, and Selections from his *Epistles*. *Two hours*.
 - (3.) *Mathematics*. Differential and Integral Calculus. *Three hours*.
 - (4.) *German*. Schiller's *Jungfrau von Orleans*. *Two hours*.
 - (5.) *German*. Williams's *German Conversation and Composition*. *One hour*.
 - (6.) *French*. *One hour*.
 - (7.) *Botany*. *Two hours*.

Second Half-Year.

1. *Logic*. Text-Book, Jevons's *Elementary Lessons in Logic*. Principal authors referred to: Mill, Hamilton, Bowen. *Three hours a week*.
2. *History*. General History of European Civilization. Lectures, with large reference to Droysen, Duncker, Hallam, Martin, Michelet, Milman, Ranke, von Sybel, von Treitschke and Waitz. Also brief dissertations by the class, based partly upon original sources of mediaeval history, partly upon the works of Bryce, Hallam, Gibbon, Guizot and Waitz. *Three hours a week*.
3. *Rhetoric*. English Literature of the Seventeenth and Eighteenth Centuries. Manual of English Literature; Study of Authors. *Three hours a week*. Essays and Orations, *Saturdays*.
4. *Elocution*. Private rehearsals of Orations.

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5. A sufficient number of the following elective studies to make up *seven or eight hours a week* :
- (1.) *Greek*. Plato. *Two hours*.
 - (2.) *Latin*. Juvenal, Persius, Terence, Latin Composition, Lectures. *Two hours*.
 - (3.) *Mathematics*. Differential and Integral Calculus. *Three hours*.
 - (4.) *Surveying*. *Three hours*.
 - (5.) *German*. Lessing's *Emilia Galotti*. *Two hours*.
 - (6.) *German*. Williams's German Conversation and Composition. *One hour*.
 - (7.) *French*. *One hour*.
 - (8.) *Analytical Chemistry*. Laboratory Practice. *Five hours*.
 - (9.) *Zoölogy* Lectures. *Two hours*. Laboratory work. *Two hours*. Books of Reference: Packard's Zoölogy, Huxley's Anatomy of the Invertebrates, Huxley's Anatomy of the Vertebrates, Gegenbaur's Elements of Comparative Anatomy, Packard's Outlines of Comparative Embryology.
 - (10.) *Political Economy*. Lectures, chiefly from the point of view of the English School, but noticing whatever is peculiar to the teachings of Cossa, Knies, Roscher, Schaeffle and Wagner. Discussions. Special studies by the class, of Fawcett, Mill, Cairnes, F. A. Walker and other authors. *Two hours*.
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SENIOR CLASS.

First Half-Year.

- 1. *Intellectual Philosophy*. Lectures. Essays by the class. Sir William Hamilton's Lectures on Metaphysics, Kant's Critique of Pure Reason, expositions of Mahaffy, Caird, Stirling and Morris, Wayland's Intellectual Philosophy, Porter's The Human Intellect, Sully's Outlines of Psychology. *Four hours a week* :

2. *History.* Lectures upon the Evolution of Constitutional Government in England and America. Studies by the class, in Stubbs and Hallam, Gardiner, Green, Guizot and Pauli, Bancroft and von Holst. *Three hours a week.*
3. A sufficient number of the following elective studies to make up *seven, eight or nine hours a week:*
 - (1.) *Greek.* Demosthenes, Oration on the Crown, with Lectures. *Three hours.*
 - (2.) *Latin.* Lucretius, with Lectures. *Three hours.*
 - (3.) *Advanced Mathematics.* *Three hours.*
 - (4.) *Advanced Mechanics.* *Two hours.*
 - (5.) *German.* Goethe's *Iphigenie*, with Lectures. *Three hours.*
 - (6.) *Italian.* *Two hours.*
 - (7.) *Spanish.* *Two hours.*
 - (8.) *Analytical Chemistry.* Laboratory practice. *Five hours.*
 - (9.) *Geology.* Lectures. *Two hours.* Laboratory work. *Two hours.*
 Books of Reference: Dana's New Text-book of Geology, Dana's Manual of Geology, Le Conte's Elements of Geology, Nicholson's Ancient Life-History of the Earth.
 - (10.) *Roman Law.* Holland's Institutes of Justinian, with Lectures. Short essays by the class. *One hour.*
 - (11.) *Advanced Political Economy.* Problems, Discussions, Essays. *One hour.*

Second Half-Year.

1. *Moral Philosophy.* Lectures, with essays by the class. Wayland's Moral Science, Alexander's Moral Science, Kant's Metaphysic of Ethics (Semple's and Abbott's translations), Calderwood's Hand-Book of Moral Philosophy, Sidgwick's Methods of Ethics, Janet's Theory of Morals, with references to various other authors. *Five hours a week.*
Natural Theology, and Evidences of Christianity, by Lectures.
2. *Agricultural Zoölogy* (required for students on state scholarships).
One hour a week.

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3. A sufficient number of the following elective studies to make up *six, seven or eight hours a week* for students on state scholarships, *seven, eight or nine* for all others :
- (1.) *Lectures on the History of Philosophy. One hour.*
 - (2.) *Greek. Plato. Three hours.*
 - (3.) *Latin. The Annales and Historiae of Tacitus, with Lectures. Three hours.*
 - (4.) *Advanced Mathematics. Three hours.*
 - (5.) *Advanced Mechanics. Two hours.*
 - (6.) *English Literature of the Nineteenth Century. Two hours.*
 - (7.) *German. Goethe's Faust, with Lectures. Three hours.*
 - (8.) *Italian. One hour.*
 - (9.) *Spanish. One hour.*
 - (10.) *Analytical Chemistry. Laboratory practice. Five hours.*
 - (11.) *Geology (continued). Lectures, with a short course on Archaeology and Ethnology. One hour.*
 - (12.) *International Law. Lectures, based upon Calvo, Heffter and Bluntschli. Short essays by the class. One hour.*

SECOND: FOR THE DEGREE OF BACHELOR OF PHILOSOPHY.

FRESHMAN CLASS.

First Half-Year.

1. *Mathematics.* Geometry Solid and Spherical. Plane Trigonometry.
Six hours a week.
2. *Mathematics.* Geometrical Problems. *Four hours a week.*
3. *French.* First Division. (1) The *Athalie* of Racine will be read in the class. (2) Examinations will be held upon the *Esther*, *Iphigénie*, and *Phèdre* of Racine. Second Division. (1) Three books of the *Télémaque* of Fénelon will be read in the class. (2) Examinations will be held upon three additional books of *Télémaque*. Williams's Subjunctive Mood (both Divisions). Voluntary divisions will be arranged with all who desire to read more of Racine or Fénelon.
Two hours a week.
4. One of the following courses. *Four hours a week:*
 - (1.) *Greek.* Felton's Greek Historians. Greek Composition. Smith's History of Greece.
 - (2.) *Latin.* Livy (Lincoln's Selections), Books I., II., XXI., XXII. Harkness's Latin Composition, Part III. History of Rome.
 - (3.) a. *Biology.* *Three hours.* b. *Free-hand Drawing.* *One hour.*

Second Half-Year.

1. *Mathematics.* Spherical Trigonometry. Algebra. *Six hours a week.*
2. *Mathematics.* Surveying and Mensuration. *Four hours a week:*
3. *French.* First Division. (1) The *Horace* of Corneille will be read in the class. (2) Examinations will be held upon the *Cid*, *Cinna* and *Polyeucte* of Corneille. Second Division. (1) The *Horace* of Corneille will be read in the class. (2) Examination will be held upon the *Cid*. Voluntary divisions will be arranged with all who desire to read more of this author. *Two hours a week.*

4. One of the following courses. *Four hours a week:*

- (1.) *Greek.* Homer's Iliad. Greek Composition.
- (2.) *Latin.* Cicero, *De Senectute* and *De Amicitia*. Selections from Cicero's Epistles. Latin Composition.
- (3.) a. *English.* *Three hours.* b. *Free-hand Drawing.* *One hour.*

SOPHOMORE CLASS.

First Half-Year.

1. *Astronomy.* Newcomb and Holden's Astronomy, with Lectures. Principal authors referred to: Newcomb, Herschel, Chauvenet. *Three hours a week.*
2. *Rhetoric.* Method of English Composition. A. S. Hill's Principles of Rhetoric. Essays. Principal Books of Reference: Campbell's Philosophy of Rhetoric, Whately's Elements of Rhetoric, Hunt's Principles of Written Discourse and D. J. Hill's Science of Rhetoric. *Two hours a week.*
3. *Elocution.* Lectures and Exercises. Principal Works of Reference: Rush on the Voice; Murdoch and Russell's Vocal Culture; The Speaking Voice, Hullah; Throat and Voice, Cohen. *Once a week.*
4. One of the following courses.* *Ten hours a week:*
 - (1.) *Greek or Latin, three hours.*
Chemistry, three hours.
Two electives, four hours.
 - (2.) *Greek or Latin, three hours.*
Botany, three hours.
Two electives, four hours.
 - (3.) *Descriptive Geometry, six hours.*
Two electives, four hours.
 - (4.) *Chemistry, three hours.*
Botany, three hours.
Two electives, four hours.

The electives available for the above courses are as follows:

- (a) *Mathematics.* General Geometry. *Two hours.*

*A course begun this half-year must be continued the next. Courses (1.) and (4.) are preparatory to the study of Analytical Chemistry.

- (b) *German*. Whitney's Brief Grammar. Exercises in German Composition. Practice in German Conversation. Joynes's Reader. *Two hours*.
- (c) *French*. Molière. *Two hours*.
- (d) *Physiology*. Lectures. Books of Reference: in Anatomy, Quain and Gray; in Physiology, Dalton, Flint and Foster; in Hygiene, Buck. *Two hours*.

Second Half-Year.

1. *Mechanics*. *Three hours a week*.
2. *Rhetoric*. A. S. Hill's Principles of Rhetoric. Exercises in Rhetorical Criticism. Essays. *Two hours a week*.
3. *Elocution*. Lectures and Exercises, with Declamations. For Reference, Bacon's Manual of Gesture. *One hour a week*.
4. One of the following courses. *Nine, ten or eleven hours a week*:

(1.) <i>Greek or Latin, three hours.</i> <i>Analytical Chemistry, five hours.</i> <i>One elective, two hours.</i>	(2.) <i>Greek or Latin, three hours.</i> <i>Zoölogy, two hours.</i> <i>Two electives, four hours.</i>
(3.) <i>Shades, Shadows and Linear Perspective, six hours.</i> <i>Two electives, four hours.</i>	(4.) <i>Analytical Chemistry, five hours.</i> <i>Zoölogy, two hours.</i> <i>One or two electives, two or four hours.</i>

The electives available for the above courses are as follows:

- (a) *Mathematics*. General Geometry. *Two hours*.
- (b) *German*. Advanced Grammar. Exercises in German Composition. *Der Zerbrochene Krug* of Zschokke, *Eigensinn* of Benedix. *Two hours*.
- (c) *French*. Modern Authors. *Two hours*.
- (d) *Botany*. Lectures and field excursions. *Two hours*.

JUNIOR CLASS.

First Half-Year.

1. *Rhetoric.* English Literature from the Fifth to the Seventeenth Century.
Historical Outlines of the English Language. Manual of English Literature, with Readings from Authors. Principal authors referred to: in Language, Marsh, Müller, Whitney and Sayce; in Literature, Taine, Ward, Morley and Shaw. *Four hours a week.*
Essays and Orations, *Saturdays.*
2. *Elocution.* Private Rehearsals of Orations.
3. *Chemistry.* Lectures. The lectures are illustrated by experiments and colored charts and by blackboard exercises. Books of Reference: Fownes's Chemistry, Roscoe and Schorlemmer's Chemistry, Cooke's Chemical Philosophy. *Three hours a week.*
4. *Physics.* Lectures, illustrated by experiments, also Recitations, both in writing and oral. Books of Reference: Atkinson's Ganot, Deschanel's Natural Philosophy, Silliman's Physics. *Five hours a week.*
5. A sufficient number of the following elective studies to make up *four or five hours a week* :*
 - (1.) *Greek.* Euripides. *Two hours.*
 - (2.) *Latin.* Horace's *Ars Poetica*, and Selections from his Epistles. *Two hours.*
 - (3.) *Mathematics.* Differential and Integral Calculus. *Three hours.*
 - (4.) *Civil Engineering.* *Two hours.*
 - (5.) *German.* Schiller's *Jungfrau von Orleans.* *Two hours.*
 - (6.) *German.* Williams's German Conversation and Composition. *One hour.*
 - (7.) *French.* *One hour.*
 - (8.) *Botany.* *Two hours.*

*Students who have taken Course (1.) or Course (4.), Sophomore year, must take here Analytical Chemistry, *five hours*, and one elective of *two hours*, in place of Chemistry, *three hours*, and two other electives, *four hours*.

Second Half-Year.

1. *Logic.* Text-Book, Jevons's Elementary Lessons in Logic. Principal Authors referred to: Mill, Hamilton, Bowen. *Three hours a week.*
2. *History.* General History of European Civilization. Lectures, with large reference to Droysen, Duncker, Hallam, Martin, Michelet, Milman, Ranke, von Sybel, von Treitschke and Waitz. Also brief dissertations by the class, based partly upon original sources of mediaeval history, partly upon the works of Bryce, Hallam, Gibbon, Guizot and Waitz. *Three hours a week.*
3. *Rhetoric.* English Literature of the Seventeenth and Eighteenth Centuries. Manual of English Literature; study of authors. *Three hours a week.* Essays and Orations, *Saturdays.*
4. *Elocution.* Private rehearsals of Orations.
5. A sufficient number of the following elective studies to make up *seven or eight hours a week:*
 - (1.) *Greek.* Plato. *Two hours.*
 - (2.) *Latin.* Juvenal, Persius, Terence, Latin Composition, Lectures. *Two hours.*
 - (3.) *Mathematics.* Differential and Integral Calculus. *Three hours.*
 - (4.) *Civil Engineering.* *Two hours.*
 - (5.) *German.* Lessing's *Emilia Galotti.* *Two hours.*
 - (6.) *German.* Williams's German Conversation and Composition. *One hour.*
 - (7.) *French.* *One hour.*
 - (8.) *Analytical Chemistry.* Laboratory practice. *Five hours.*
 - (9.) *Zoölogy.* Lectures. *Two hours.* Laboratory work. *Two hours.*

Books of Reference: Packard's Zoölogy, Huxley's Anatomy of the Invertebrates, Huxley's Anatomy of the Verbrates, Gegenbaur's Elements of Comparative Anatomy, Packard's Outlines of Comparative Embryology.

- (10.) *Political Economy.* Lectures, chiefly from the point of view of the English School, but noticing whatever is peculiar to the teachings of Cossa, Knies, Roscher, Schaeffle and Wagner. Discussions. Special studies by the class, of Fawcett, Mill, Cairnes, F. A. Walker and other authors. *Two hours.*
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SENIOR CLASS.

First Half-Year.

1. *Intellectual Philosophy.* Lectures. Essays by the class. Sir William Hamilton's Lectures on Metaphysics, Kant's Critique of Pure Reason, expositions of Mahaffy, Caird, Stirling and Morris, Wayland's Intellectual Philosophy, Porter's The Human Intellect, Sully's Outlines of Psychology. *Four hours a week.*
2. *History.* Lectures upon the Evolution of Constitutional Government in England and America. Studies by the class, in Stubbs and Hallam, Gardiner, Green, Guizot and Pauli, Bancroft and von Holst. *Three hours a week.*
3. A sufficient number of the following elective studies to make up *seven, eight or nine hours a week:*
 - (1.) *Greek.* Demosthenes, Oration on the Crown, with Lectures. *Two hours.*
 - (2.) *Latin.* Lucretius, with Lectures. *Two hours.*
 - (3.) *Advanced Mathematics.* *Three hours.*
 - (4.) *Advanced Mechanics.* *Two hours.*
 - (5.) *Civil Engineering.* *Two hours.*
 - (6.) *German.* Goethe's *Iphigenie*, with Lectures. *Three hours.*
 - (7.) *Italian.* *Two hours.*
 - (8.) *Spanish.* *Two hours.*
 - (9.) *Analytical Chemistry.* Laboratory practice. *Five hours.*

- (10.) *Geology*. Lectures. *Two hours*. Laboratory work. *Two hours*.
Books of Reference: Dana's New Text-Book of Geology, Dana's Manual of Geology, LeConte's Elements of Geology, Nicholson's Ancient Life-History of the Earth.
- (11.) *Roman Law*. Holland's Institutes of Justinian, with Lectures. Short essays by the class. *One hour*.
- (12.) *Advanced Political Economy*. Problems, Discussions, Essays. *One hour*.

Second Half-Year.

1. *Moral Philosophy*. Lectures, with Essays by the class, Wayland's Moral Science, Alexander's Moral Science, Kant's Metaphysic of Ethics (Semple's and Abbott's translations), Calderwood's Hand-Book of Moral Philosophy, Sidgwick's Methods of Ethics, Janet's Theory of Morals, with references to various other authors. *Five hours a week*.

Natural Theology, and Evidences of Christianity, by Lectures.

2. *Agricultural Zoölogy* (required for students on state scholarships). *One hour a week*.
3. A sufficient number of the following elective studies to make up *six, seven or eight hours a week* for students on state scholarships, *seven, eight or nine* for all others.
- (1.) *Lectures on the History of Philosophy*. *One hour*.
- (2.) *Greek*. Plato. *Three hours*.
- (3.) *Latin*. The *Annales* and *Historiae* of Tacitus, with Lectures. *Three hours*.
- (4.) *Advanced Mathematics*. *Three hours*.
- (5.) *Advanced Mechanics*. *Two hours*.
- (6.) *Civil Engineering*. *Two hours*.
- (7.) *English Literature of the Nineteenth Century*. *Two hours*.
- (8.) *German*. Goethe's *Faust*, with Lectures. *Three hours*.
- (9.) *Italian*. *One hour*.

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- (10.) *Spanish.* One hour.
- (11.) *Analytical Chemistry.* Laboratory practice. Five hours.
- (12.) *Geology* (continued). Lectures, with a short course on *Archaeology* and
Ethnology. One hour.
- (13.) *International Law.* Lectures, based upon Calvo, Heffter and Bluntschli.
Short essays by the class. One hour.

DEPARTMENTS OF PRACTICAL SCIENCE.

Departments of Practical Science have been established in the University for the benefit of students who wish to prepare themselves for such pursuits as require special knowledge of the mathematical and physical sciences and the applications of these to the industrial arts.

In these departments provision has also been made for courses of instruction in "such branches of learning as are related to Agriculture and the Mechanic Arts." This provision has been made in accordance with an "Act of Congress granting lands for the establishing of Agricultural Colleges," and with "Resolutions of the General Assembly of the State of Rhode Island accepting these lands, and assigning the same to Brown University." Students who enter only for these studies, either in full or in part, are subject to the same conditions of admission as for any select course; and when they have duly pursued such studies, they will be entitled to a certificate stating the time of their residence at the University, and the amount of their acquisitions. They may, however, pursue these studies in connection with the "regular scientific and classical studies of the University," and when they have so pursued them as to fulfil the requirements for the degree of Bachelor of Arts or of Bachelor of Philosophy, they will be entitled to such degree.

I. CHEMISTRY APPLIED TO THE ARTS.

The Chemical Laboratory is open to students, except on Saturdays, from 8.30 A. M. to 2.30 P. M.

It is the design of this department to teach students Analytical Chemistry and then to direct their studies to the practical applications of Chemistry. Attention is given to Metallurgy, Medical Chemistry, Agricultural Chemistry and the application of Chemistry to manufacturing processes.

The course is not confined to undergraduates, other persons, if prepared to pursue the study to advantage, being admitted to the Laboratory; but a knowledge of the general principles of Chemistry is absolutely necessary to profitable study in this department.

The text-books used are :

Appleton's Qualitative Chemical Analysis, Appleton's Quantitative Chemical Analysis, Roscoe's Inorganic Chemistry, Foye's Chemical Problems, Cairns's Quantitative Analysis.

II. CIVIL ENGINEERING.

The full course in this department occupies four years, but a longer or a shorter course may be pursued, if the student so elects. Those not wishing to pursue the full course will find the studies so arranged that the knowledge and practice acquired in a partial course will be practical and available. Ample provision will be made for the instruction of any who desire a more extended course than is here indicated, in Engineering and in Higher Mathematics.

The following is the order of study for the regular course :

First Year. Algebra and Geometry; the use of mathematical instruments, including Line Drawing, Pen Shading, graphical construction of Plane Problems; Free-hand Drawing and Shading; use of Mathematical tables; Trigonometry and its application to the measurement of areas, and Surveying, including the theory and adjustment of instruments, field practice and plotting surveys.

Second Year. Analytical Geometry; Descriptive Geometry; Shades and Shadows; Linear Perspective, and Isometrical Drawing.

Third Year. Differential and Integral Calculus; Theory of Structure, embracing the construction of foundations, Stone and Brick Masonry and detailed drawings of the same, with Lectures; Weisbach's Mechanics or Mahan's Civil Engineering.

Fourth Year. Weisbach's Mechanics; Hydraulics, embracing the structure and use of hydraulic machines, the investigation of the laws which govern the flow of water from reservoirs and the flow of water in rivers, canals and conduit pipes, and water used as a motor; Trigonometrical Calculation and Geometrical Representation of the strain on trusses and girders; drawing of

Plans, Profiles, Elevations and Sections; construction of machinery and bridges and drawings of the same; strength of materials used in construction; estimation of resistance of friction and rigidity.

Students desiring admission to this course are subjected to an examination on the same amount of Mathematics as is required of candidates entering for a degree.

III. PHYSICS.

The Laboratory of the Department of Physics offers instruction during the second half-year to a limited number of students, who show special aptitude for this study, and are desirous of familiarizing themselves with the construction and use of physical apparatus and with the means of investigation.

A course of experiments in Sound, Light, Heat and Electricity, involving the principal phenomena and the most important methods of measurement, has been arranged with reference to the needs of beginners. Apparatus available for more advanced students and for researches has been recently purchased, with the view of meeting the demand for special instruction in Physics.

IV. BOTANY.

Instruction in Botany is given by means of lectures. The course embraces the necessary morphological and physiological subjects, and is supplemented by practical class-work, in which each student employs the microscope in examining specimens. Great stress is laid upon the importance of drawing from nature, and students are taught to make illustrative sketches.

Each student of Botany is expected to pay a small fee for the cost of specimens used in class-work.

At the proper season, excursions are made, under the guidance of the Professor, to neighboring points of botanical interest. At such times students are shown how to collect and preserve specimens.

The following works are recommended for reference: Gray's Botanical Text-Book, Gray's Manual of the Northern States, Sachs's Text-Book of Botany, Le Maout and De Caisne's General System of Botany, Bessey's Botany.

Under proper restrictions, the Herbaria are made accessible to students, for the determination and comparison of species; every courtesy will also be extended to visiting botanists who desire to consult them.

The Bailey Herbarium.

This collection, presented to the University by Professor W. WHITMAN BAILEY, B. P., contains *eighteen hundred* specimens, and about *fifteen hundred* species, American and foreign. Besides the donor's own personal collection, it contains many specimens from the herbarium of the distinguished English microscopist, Mr. J. L. Queket. It is rich in ferns.

"Herbarium Olneyanum."

This valuable collection, presented to BROWN UNIVERSITY by the will of the late STEPHEN THAYER OLNEY, of Providence, is estimated to number about *forty thousand specimens*. It illustrates American Botany, and is particularly rich in the plants of Rhode Island. The specimens are in good order for consultation.

Mr. Olney's botanical studies, continuing for many years, brought him into relations of active exchange with the leading collectors of this country. He also made large purchases of plants, and thus accumulated a valuable mass of material, which it would now be difficult to duplicate. The correspondence which accompanies the herbarium covers a period of thirty or more years. It includes communications from Sir Joseph D. Hooker of Kew, Baron von Mueller of Melbourne, Professor Asa Gray, Professor John Torrey, Professor D. C. Eaton, Mr. Francis Boott and other eminent botanists. Mr. Olney was an acknowledged authority on the difficult genus *Carex*, and his collection of sedges is one of great value. In the last years of his life he began a monograph upon *Carex*, the notes of which, and the drawings by Mr. J. H. Emerton, accompany his bequest.

The Bennett Herbarium.

This valuable herbarium is the gift of Mr. JAMES LAWRENCE BENNETT, an accomplished amateur botanist of Providence.

It includes about *thirteen thousand* species, and probably over *thirty thousand* specimens, and has involved in its accumulation thirty years of assiduous labor. American Botany is well represented, but the foreign specimens are the more numerous; many of them are derived from remote and, in some cases, almost inaccessible, regions of the globe.

The completeness with which the natural orders are illustrated, as well as the wide geographical range exhibited, makes this herbarium an important addition to the means of instruction in the University.

V. ZOÖLOGY AND GEOLOGY.

Zoölogy is taught by lectures, frequent examinations and laboratory work. It is the aim to adapt the lectures to the needs of the general student. It is taken for granted that no liberally educated person should be without a general knowledge of the principles of Biology, the laws of Animal Morphology, the relations of animals to the world about them and to man, and their probable mode of origin.

The laboratory work is a course on Comparative Anatomy. The student is required to draw and to dissect the more important types of the animal kingdom; viz., a starfish, clam, lobster, grasshopper, beetle, butterfly, a fish, frog, bird and mammal. He is required to examine and draw portions of the skeleton of each type of vertebrates, including a comparative study of limbs. The structure of cells and of the Protozoa as well as of the sponges is demonstrated. The course is designed to be of value to one intending to study medicine.

Special facilities will be offered to any one desiring to do more advanced work in Zoölogy.

Specimens of the following rarer types have lately been added for use in this department: African lung fish (*Protopterus*), *Polypterus*, *Siren*, *Amphiuma*, *Cacilia*, and a skin and skeleton of the Australian spiny ant-eater (*Echidna*); also skeletons and other osteological preparations of fishes, batrachians, lizards, birds and mammals. Collections illustrating the invertebrate, crustacean, fish, amphibian, reptilian and bird-fauna of Rhode Island have been set apart in the Museum; and valuable histological and embryological preparations have been lately added.

Instruction in Geology is given by means of lectures, laboratory work and field excursions, with especial reference to the geology, structural and economic, of Rhode Island. The lectures are illustrated by diagrams, models in wood and plaster, and fossils. During 1885, the palæontological collection was rearranged and labelled for the use of students. The fossil flora of Rhode Island is fully represented.

The laboratory work comprises an elementary course in Mineralogy and Lithology. Many duplicate crystals have been purchased, and the students are

allowed to use them freely in their work. A special collection of Rhode Island minerals is now forming.

Instruction in Physical Geography is given by lectures and examinations, and the course is illustrated by maps and models.

VI. AGRICULTURE.

The course of instruction in Agriculture includes the courses in the preparatory branches, Chemistry and Physics, Botany, Physiology, Zoölogy and Comparative Anatomy. It also embraces special lectures on Agriculture. These relate to the study of soils and to applied Economic Zoölogy. The course of instruction is illustrated by specimens from the Museum of Natural History and by field excursions. Further, practical instruction is given in obtaining and preserving specimens and in taxidermy.

MUSEUM OF NATURAL HISTORY AND ANTHROPOLOGY IN RHODE ISLAND HALL.

The Museum is under the curatorship of Professor John W. P. Jenks, assisted by Mr. H. C. Bumpus.

The collection includes chiefly the departments of Zoölogy, Geology and Mineralogy, though considerable space in the upper portion of the Hall is devoted to Botany, Ethnology and Archæology.

The department of Zoölogy is arranged according to the more modern methods of classification, beginning with the sponges and ending with the mammals; and it includes materials not only for general work but for special investigation. So far as possible, there have been placed on exhibition, separate from the synoptic collections, local collections representing the fauna of the State. Students giving special attention to Zoölogy are allowed to take from the cases such material as they may need, the aim always being to make the Museum not an exhibition room only but a place for work.

The department of Geology includes, besides the systematically arranged collection of fossils, a valuable collection illustrating the carboniferous flora of Rhode Island and the tertiary flora of the West. These fossils have been authoritatively named by Professor Leo Lesquereux, a few being species new to science.

The Mineralogical department has several thousand specimens, many of which are almost daily in use by the laboratory students.

The greater part of the Botanical collection has been transferred to the Herbarium, though the Museum still retains a large collection of native and exotic woods. In the Ethnological department are many rare implements from the South Seas as well as from the Arctic Regions, the Western Plains and Mexico. Archæology is represented by many instructive objects, once the property of now extinct races.

LIBRARY.

The College Library dates from the year 1767, when Rev. Morgan Edwards collected books for it in England. In 1843, when the Catalogue was printed, and soon after its removal from University Hall to Manning Hall, it contained ten thousand volumes. In 1878, when it was placed in the new Library Building, it contained fifty thousand volumes. It now numbers sixty-two thousand, seven hundred and sixty-four bound volumes, in addition to a large and valuable body of pamphlets.

The collection as a whole is choice, many of the books being rare and costly and most of them well bound. A large portion has been carefully selected from year to year, with special reference to the wants of professors and students, to aid in literary, scientific and historical research. The departments of bibliography, Greek and Latin classics, history, biography, literature, patristics, modern languages, science and the fine arts, are very full, indeed comparatively complete. The books are arranged in alcoves according to subjects, and FREE ACCESS IS ALLOWED TO THE SHELVES. Upon the tables in the centre of the building are placed the standard periodicals, American and foreign, relating to the different departments of study, and behind them, conveniently arranged, are abundant books of reference,

The Library is open in term time *each week day except Saturday, from 10 to 4; on Saturdays from 10 to 1*; during vacations on Saturdays only.

Members of the Corporation and of the Faculty, resident graduates, also every donor residing in Providence, of five hundred dollars or more to the funds of the University, may use the Library without charge. The Corporation or the Library Committee can grant this privilege to others.

During the past year the "Harris Collection of American Poetry," bequeathed by the late Hon. Henry B. Anthony, has been transferred to the room in the Library over the entrance, where suitable cases with shelves have been erected for it. The books will be catalogued as rapidly as possible.

The following is a list of donors to the Library for the year ending June 9, 1885:

J. M. Addeman, Secretary of the State of Rhode Island; the American Academy of Arts and Sciences; the American Antiquarian Society; the American Association for the Advancement of Science; the American Baptist Missionary Union; the American Pharmaceutical Association; the American Philosophical Society; Prof. E. B. Andrews; the late Hon. Henry B. Anthony; Prof. John H. Appleton; the Archæological Institute of America; Prof. T. Whiting Bancroft; J. L. Batchelder, Chicago; Gen. S. V. Benet, Washington; the City of Boston, per City Messenger; Hon. Chs. S. Bradley; Hon. Saml. James Bridge, Boston; Rev. Dr. Wm. Cathcart, Philadelphia; Doct. Wm. E. Channing; Prof. J. C. C. Clarke, Shurtleff College; James H. Coggeshall; Doct. Abraham Coles, Newark, N. J.; Rev. Frederic Denison; Rev. Dr. H. M. Dexter, Boston; Hon. Thos. Durfee; Reuben T. Durrett, Louisville, Ky.; Dr. Henry E. Dwight, Philadelphia; Samuel C. Eastman, Concord, N. H.; Rev. Dr. Richard Eddy, Boston; the University of Edinburgh, Scotland; Doct. Chs. H. Fisher; Supt. A. A. Folsom, Boston and Providence Railroad; C. B. Foote, New York; Librarian Wm. E. Foster; Mayor R. S. Franklin, Newport; F. J. Furnivall, London; Wm. Gammell, LL.D.; Glasgow University, Scotland; Doct. Saml. A. Greene, Boston; Librarian Reuben A. Guild, LL.D.; Malcolm Guthrie, London; the Faculty of the Harvard Divinity School; John L. Hayes, LL.D., Boston; Supt. J. E. Hilgard, U. S. Coast Survey; Hon. U. S. Senator N. P. Hill; Augustine Jones, Principal Friends Boarding School; George Gordon King, Newport; Comptroller Wm. Lawrence, Washington; J. Peter Lesley, State Geologist of Pennsylvania; Corporation of London, per W. H. Overall; the Massachusetts Historical Society; the Massachusetts State Board of Health; Chester W. Merrill, Librarian of Public Library, Cincinnati; Pres. Jas. Mills, Ontario Agricultural College; the University of Minnesota; N. H. Morison, Provost Peabody Institute, Baltimore; the National Association of Wool Manufacturers; the City of Newport, per Mayor Franklin; the New York State Board of Charities; the Norwegian Government, per Prof. H. Mohn, Christiana; the Old Residents Historical Association, Lowell, Mass.; W. H. Overall, Librarian Guildhall Library, London; T. S. Parvin, Iowa City; the Peabody Institute, Baltimore; S. H. Peabody, Regent Industrial Univ., Ill.; E. D. Pearce, Jr.; Doct. Geo. B. Peck; the Pennsylvania Board of Agriculture; Bernard Quaritch, London; the Rhode Island Historical Society; Sidney S. Rider; President E. G. Robinson; Prof. Wm. A. Rogers, Harvard University; the Royal Society of Canada; Doct. S. B. St. John, Hartford, Ct.; Hon. Wm. P. Sheffield, Newport; Secretary Wm. Sims, Kansas State Board of Agriculture; Rev. Saml. J. Smith, Bangkok, Siam; the Smithsonian Institution; Rev. Edward O.

Stevens, Rangoon, Burmah; Hon. Thos. B. Stockwell; Doct. H. R. Storer, Newport; Mrs. Joseph P. Thompson, New Haven, Ct.; Prof. Robert H. Thurston, Hoboken, N. J.; Geo. F. Tucker, LL.B., Boston; Prof. W. Upton; the United States (Departments of State, of the Treasury, of War, of the Navy, of the Interior, the P. O. Department and the Bureau of Navigation and Education); Joseph Walker, Brown University; Westermann & Co.; Wm. C. Winlock, U. S. Naval Observatory; the Wisconsin Academy of Arts and Letters.

PUBLIC WORSHIP.

The exercises of every day commence with reading of Scripture, singing and prayer in the College Chapel. All students are also required to attend public worship on Sunday, each one reporting to the President at the beginning of the term the church which he will attend.

COLLECTION OF PORTRAITS.

Through the liberality of its friends, the College has been presented with a large number of portraits. Most of them are hung in Sayles Hall, the rest in apartments of the other College buildings. The collection includes portraits of benefactors of the University, of some of its former officers, and of other men distinguished in the earlier or the more recent history of Rhode Island. It has been greatly enriched in late years by portraits presented through a committee appointed by the Alumni, "for the purpose of procuring and placing within the walls of Brown University, the portraits of her Presidents, Professors, distinguished graduates and benefactors."

GYMNASIUM.

Pending the movement now making for a College Gymnasium, the authorities of the College have made arrangements whereby all students who desire, may

enjoy, at a moderate cost to themselves, the best facilities which the city affords for gymnastic exercise, with varied apparatus of the most approved patterns, and under a competent instructor.

READING ROOM.

The Sears Reading Room Association of students occupies a large, commodious and well-lighted room, conveniently situated on the first floor of University Hall, fitted up especially for this use, and supplied with all the most important newspapers, daily and weekly, as well as with a variety of the more popular periodicals. The learned reviews may be consulted in the Library.

SEMI-ANNUAL EXAMINATIONS.

Examinations of all the classes are held at the close of each half-year. Most of them are written, some oral; in certain cases the same class is subjected to both tests. If, upon examination in a given study, a student receives a mark which is less than one-half the maximum, he fails to pass in that study, and must prepare himself for a subsequent examination. Failing in three studies he is required either to leave College or to drop back into another class. Delinquents in any of the examinations of a given year are not permitted to take up the studies of the next, until they have passed all such examinations.

EXPENSES.

The necessary College expenses for the year are as follows :

	LOWEST.	HIGHEST.
Tuition,	\$100 00	\$100 00
Rent, single room,	32 00	70 00
Rent, suite,	85 00	155 00
Use of library,	5 00	5 00
Registrar's salary,	4 00	4 00
Public fuel and printing,	14 00	14 00
Servants' hire for those not residing in College,	6 00	6 00
Servants' hire for residents in College,	20 00	30 00

The charge for public fuel is to cover the expense of heating recitation rooms, halls, etc.; that for servants' hire, the cost of earing for the same. The printing referred to is of examination papers, programmes of recitations and the like.

Each room in University and Slater Halls has its gas meter, and occupants are charged for the actual amount of gas which they consume.

Upon admission to College, every student pays a matriculation fee of \$5.00.

The total expenses of students per year will vary, of course, according to their habits, tastes and means, some students expending more than double, even more than treble, the amounts of others.

Students needing to increase their incomes through their own exertions often find in the city opportunities for doing so, by giving private instruction, by teaching in evening schools, and in other occupations not inconsistent with their duties.

The Corporation, at its annual meeting Sept. 3d, 1884,

"Resolved, that the requirement of advanced payment of term bills shall be strictly enforced; and that for all term bills remaining unpaid at the end of six weeks, either some security for their payment by bond or note, satisfactory to the Treasurer, shall be given, or the delinquent shall be required to leave College."

Board is not furnished at the College, but a list, kept by the Registrar, of eligible families in the city where board can be obtained, is always accessible to students.

The usual cost of board is at present from \$3 00 to \$5 00 per week. A majority of the students pay about \$3 00. By forming clubs, students are

enabled to obtain good board so low as \$2 50 or even \$2 25. Board with furnished rooms, in private families, may be had at from \$5 00 to \$10 00 per week.

The foregoing estimate for tuition does not include the fees for instruction in Analytical Chemistry.

The expenses of a special student in this branch pursuing a course of study of *two hours* daily in the Laboratory, are, for each half-year, as follows:

Instruction, gas, chemicals, etc.,	\$35 00
Breakage, varying with the student's care, about,	3 00
	<hr/>
	\$38 00

Students who take courses of four hours or of six hours daily, pay, respectively, double or treble the above amounts.

The expenses for gas, chemicals, etc., of a student in any of the regular courses are at the rate of \$18.35, per two hour course, in addition to his regular term bill.

PECUNIARY AID TO STUDENTS.

Scholarships.

Among the various forms of aid offered to students, there are about one hundred scholarships.

There are *sixty-four* Scholarships of One Thousand Dollars each, the income of which is given, under the direction of a committee appointed by the Corporation, to meritorious students who may need pecuniary assistance; *but a scholarship is forfeited if the candidate incurs College censure, or fails to secure a least seventy-five per cent. of the maximum marking.*

The Nicholas Brown Scholarships. Eleven, founded by a bequest made by Nicholas Brown.

The University Scholarships. Four, from College funds appropriated by the Corporation to this use.

The President's Scholarship. Founded by Barnas Sears, when President of the University.

Alva Woods Scholarships. Six, founded by Alva Woods.

James H. Duncan Scholarship. Founded by James H. Duncan.

Isaac Davis Scholarship. Founded by Isaac Davis.

Arnold Whipple Scholarship. Founded in memory of Arnold Whipple, by Mrs. Arnold Whipple.

Ephraim Wheaton Scholarship. Founded by James Wheaton.

Joseph Brown Scholarship. Founded by Mrs. E. B. Rogers.

Gardner Colby Scholarship. Founded by Gardner Colby.

James Y. Smith Scholarship. Founded by James Y. Smith.

S. S. Bradford Scholarships. Two, founded by S. S. Bradford.

Frances R. Arnold Scholarship. Founded by Mrs. Frances R. Arnold.

Cornelia E. Green Scholarship. Founded by Mrs. Cornelia E. Green.

Crocker Scholarship. Founded by Robert H. Ives and Thomas P. Ives, trustees.

Clark Scholarship. Founded by Robert H. Ives and Thomas P. Ives, trustees.

Albert Day Scholarship. Founded by Albert Day.

Henry P. Kent Scholarship. Founded by Henry P. Kent.

Romeo Elton Scholarship. Founded by Romeo Elton.

Annie E. Waters Scholarships. Five, founded by Mrs. Annie E. Waters.

L. Fairbrother Scholarship. Founded by Mrs. L. Fairbrother.

George Lawton Scholarship. Founded by George Lawton.

John P. Crozer Scholarship. Founded by Mrs. Margaret Bucknell.

Horatio N. Slater Scholarship. Founded by Horatio N. Slater.

Earl P. Mason Scholarship. Founded by Earl P. Mason.

Newport Scholarship. Founded by William Sanford Rogers.

Alexis Caswell Scholarship. Founded by Alexis Caswell.

George K. and H. A. Pervear Scholarship. Founded by George K. and H. A. Pervear.

Joseph C. Hartshorn Scholarship. Founded by Joseph C. Hartshorn.

Rogers High School Scholarship. Founded by William Sanford Rogers.

James Wheaton Scholarship. Founded by James Wheaton.

Charles Thurber Scholarship. Founded by Charles Thurber.

Pardon Miller Scholarship. Founded by Mrs. Ann E. Miller.

Hezekiah S. Chase Scholarship. Founded by Hezekiah S. Chase.

William Bucknell Scholarship. Founded by William Bucknell.

Austin Merrick Scholarship. Founded by Mrs. Olive E. Merrick.

Jackson Scholarships. Three, founded by Henry Jackson.

Mumford Scholarship. Founded by Mrs. Louisa D. Mumford.

Henry Clifford Knight Scholarship. Founded by Miss Amelia S. Knight, in memory of her brother, a member of the Class of 1875.

Besides the above scholarships, there are others, the assignment of which is made subject to special provisions. These are as follows :

The Bartlett Scholarship. Founded by MRS. ELIZABETH SLATER BARTLETT, by a gift of four thousand dollars, the income of which is to be "devoted to the support of one or more students needing pecuniary aid, and giving promise by studious aims and by character and scholarship, of rising to distinction and usefulness."

The Glover Scholarships. Founded by a gift of five thousand dollars from HENRY R. GLOVER, "in memory of his father, SAMUEL GLOVER, a graduate of the College, of the Class of 1808, and of his brother, SAMUEL GLOVER, JR., of the Class of 1839." Assignment is made upon the basis of character and attainments.

The Scholarship of the Class of 1838, of thirty-eight hundred dollars. Founded by members of THE CLASS of 1838, and also assigned upon the basis of character and scholarship.

Scholarships of the Department of Agriculture. By resolutions of the General Assembly of the STATE OF RHODE ISLAND, the national grant, "for the benefit of Agriculture and the Mechanic Arts," was given to Brown University; and the fund of fifty thousand dollars, which has accrued from this grant, is by agreement on the part of the University devoted to the education "of scholars, each at the rate of one hundred dollars per annum, to the extent of the entire annual income." Appointments to these scholarships are made, on the nomination of the General Assembly, by the Governor and Secretary of State, in conjunction with the President of the University.

The Philadelphia Alumni Scholarship. This scholarship has been created by the gift, from the "PHILADELPHIA ALUMNI ASSOCIATION OF BROWN UNIVERSITY," of the sum of fifteen hundred dollars.

The Joseph Charles Hartshorn Scholarship. This is a second scholarship, founded by a gift of two thousand dollars, from the gentleman whose name it bears.

The Sherman Scholarships. These are named the *George J. Sherman Scholarship Number One*, and the *George J. Sherman Scholarship Number Two*. They are founded by the gift of two thousand dollars from the gentleman whose name they bear.

Aid Fund.

This is a fund of several thousand dollars, the income of which is applied, either by loan or by gift, to the assistance of deserving young men of limited means.

PREMIUMS.

I. For Excellence in Preparatory Studies.

The President's Premiums. These are derived from the income of a fund presented by the REV. FRANCIS WAYLAND, D. D., while President of the University. They are awarded to those members of the Freshman Class, candidates for the degree of Bachelor of Arts or of Bachelor of Philosophy, who are found, *upon special examination*, to have attained the highest excellence in the classical studies preparatory to admission to College. They are fixed by statute as follows :

A First Premium of fifteen dollars and a second of ten dollars, for excellence in the Greek language.

A First Premium of fifteen dollars and a second of ten dollars, for excellence in the Latin language.

The competitors are examined in the classical studies required for admission to the College.

The most recent award (1885) of these premiums was as follows :

Greek.

The First Premium to THOMAS EDWIN BROWN, JR., instructed by Merrick Lyon, LL. D., in the University Grammar School, Providence.

The Second Premium to GEORGE PACKARD, instructed by Charles B. Goff, A. M., in the English and Classical School, Providence.

An Additional Second Premium to FRANCIS BURDICK, instructed by Frederick W. Tilton, A. M., in the Rogers High School, Newport.

Latin.

The First Premium to WILLIAM GILBERT LATHROP, instructed by William T. Peck, A. M., in the Providence High School.

The Second Premium to EDWIN PENN GOODELL, instructed by William H. White, A. M., in the Worcester Academy, Mass.

An Additional Second Premium to FREDERIC EVERETT CARPENTER, instructed by William T. Peck, A. M., in the Providence High School.

Mathematics.

The Hartshorn Premiums. These are derived from the income of a fund of one thousand dollars presented by JOSEPH C. HARTSHORN, A. M., of the Class of 1841; this income is appropriated to *three premiums*.

These are awarded to those members of the Freshman Class who are found, upon examination, to have excelled in the preparatory mathematical studies.

The last award (1885) of these Premiums was as follows:

The First Premium to EDWARD PAYSON MANNING, instructed by Alexander Bevan, A. M., in the Providence High School.

The Second Premium to FRANK WILLIAMS CARPENTER, instructed by George H. Coffin, A. M., in the English and Classical School, Providence.

The Third Premium to WILLIAM GILBERT LATHROP, instructed by Alexander Bevan, A. M., in the Providence High School.

II. For Excellence in College Studies.

Carpenter Prizes for Elocution. These are: a First Prize of *sixty dollars*; a Second Prize of *thirty-six dollars*; a Third Prize of *twenty-four dollars*.

They are derived from the income of a fund established by THOMAS CARPENTER, and are awarded annually to the three members of the Sophomore Class to whom shall be assigned, respectively, the first, the second and the third rank of excellence in elocution. The assignment is made by a committee appointed for the purpose, and after trial at a public exhibition given on the Monday evening before Commencement.

The competitors must be members of the Sophomore Class; they may declaim pieces in either prose or verse, selected from English authors, but their selections must be approved by the Professor of Rhetoric; they must enter their names with this professor not later than on the tenth day before the exhibition.

The Committee of Award will consist of five members, and will be formed as follows: the Professor or the Instructor in Elocution, who will be the Chairman, two persons elected by the Corporation, also two elected by the Sophomore

Class during the first term of the year, it being understood that no one who is or has been a member of the class is eligible.

The Committee for 1885 awarded the prizes as follows :

The First, to CHARLES LINCOLN WHITE.

The Second, to FRANK SIGEL DIETRICH.

The Third, to RICHARD WRIGHT.

The Carpenter Premiums. These are two, of sixty dollars each, derived from the income of a fund established by THOMAS CARPENTER and LYDIA CARPENTER.

These premiums are assigned at the *end of the Senior year*, to the two members of the Senior Class, who, "already on Scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life, ability, character and attainment."

For the year 1884-85, the Carpenter Premiums were awarded to

WALTER GOODNOW EVERETT

and

FERDINAND COURTNEY FRENCH.

The Howell Premium. This fund, amounting to one thousand dollars, was presented by the late GAMALIEL LYMAN DWIGHT. The income is given, at the *close of the first half of the Junior year*, to the student, who, "having a good record of deportment, has the highest rank in Mathematics and Natural Philosophy.

For the year 1884-85, this premium was awarded to

EDWIN CLIFTON BURNHAM.

The Dunn Premium. This fund, amounting to somewhat over eight hundred dollars, was presented by pupils and friends of the late PROFESSOR ROBINSON POTTER DUNN, D. D., the income to be given, at the *end of the Junior year*, to the student having the highest standing in rhetorical studies.

For the year 1884-85, this premium was awarded to

ARTHUR LEONARD WADSWORTH.

Class of 1873 Fund. This fund, amounting to five hundred dollars, was presented to the University by THE CLASS of 1873, on the condition that its income should be devoted to the founding of a prize for an Essay. The prize is annually offered for competition to members of the Senior Class.

In 1885, no award of this prize was made.

The Foster Premium. This premium is derived from the income of a fund of three thousand dollars bequeathed to the University by the late HON. LA FAYETTE SABINE FOSTER, LL. D., of the Class of 1828.

In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third and twenty-fourth books of Homer's Iliad, or in the Oration on the Crown by Demosthenes."

The next examination, open to the members of the Senior Class, will be held early in May, 1886. Candidates will be examined in the Oration on the Crown.

On Commencement Day, June 17, 1885, the President announced the award of this prize to

HENRY REUBEN SKINNER.

HONORS IN THE CLASS OF 1885.

THE FIRST GRADE.

WALTER GOODNOW EVERETT, *The Valedictory Address.*

FRANK LESLIE DAY, *The Salutatory Oration.*

FERDINAND COURTNEY FRENCH, *The Classical Oration.*

ELMER CASE, *The Philosophical Oration.*

THE SECOND GRADE.

ARTHUR CHANNING BARROWS,

FRANCIS HAIL BROWN,

THERON HARLOW CARTER,

EDGAR HOMER GROUT,

GEORGE STITZEL MATHEWS,

JAMES MONROE PENDLETON, 2D,

KNIGHT CHENEY RICHMOND,

HENRY REUBEN SKINNER,

HOWARD KEMBLE STOKES,

ANDREW MCCORRIE WARREN.

THE THIRD GRADE.

WILLIAM CHAMBERLAIN BURWELL,

ELAM LEWIS CLARKE,

JOSEPH WARD FREEMAN,

CHARLES THOMAS EATON,

JOHN CALDER HEBDEN,

CRAWFORD HILL,

CHARLES JAMES MONAGHAN,

FRANK EDWIN PECKHAM,

WILLIAM PRATT,

CHARLES FRANKLIN REED,

SAMUEL SLATER STONE.

DEGREES CONFERRED IN 1885.

DEGREES IN COURSE.

THE DEGREE OF BACHELOR OF ARTS,

ON

GEORGE ALBERT LOOMIS,
CLEMENT DIETRICH O'LEARY,

And on the following members of the class of 1885:

HARLAN PAGE ABBOTT,
HARRY OLIN ALEXANDER,
LYNDON LAROE ANDERSTRÖM,
ARTHUR CHANNING BARROWS,
LLOYD MORTON BLODGETT,
FRANCIS HAIL BROWN,
WILLIAM CHAMBERLAIN BURWELL,
THERON HARLOW CARTER,
ELMER CASE,
DUNCAN ALEXANDER CATTANACH,
WARD BEECHER CHASE,
ELAM LEWIS CLARKE,
FRANK LESLIE DAY,
CHARLES OWEN DEXTER,
JOHN BYRON DIMAN,
CHARLES THOMAS EATON,
WALTER GOODNOW EVERETT,
AMORY PRESCOTT FOLWELL,
JOSEPH WOOD FREEMAN,
FERDINAND COURTNEY FRENCH,
EDGAR HOMER GROUT,
WALTER HAYWARD,
JOHN CALDER HEBDEN,
CRAWFORD HILL,
CHARLES CHAMBERS HITCHCOCK,
JOSEPH HALEY LORD,
EDWARD FAIRFIELD LOVEJOY,
GEORGE STITZEL MATHEWS,
CHARLES HERBERT MCINTIRE,

FRANCIS ALBERT McLANE,
JAMES CHARLES MONAGHAN,
WILLIAM PRATT,
CHARLES FRANKLIN REED,
EDGAR WILSON REMINGTON,
NORMAN LEONARD RICHMOND,
CLIFFORD PHETTLEPLACE SEAGRAVE,
WILLIAM HENRY SHEDD,
ELMER ELLSWORTH SILVER,
HENRY REUBEN SKINNER,
CHARLES MORRIS SMITH, JR.,
HOWARD KEMBLE STOKES,
SAMUEL SLATER STONE,
ARTHUR PRESTON SUMNER,
FRANK LOCKE TITCOMB,
ASHBEL TINGLEY WALL,
ANDREW MCCORRIE WARREN,
HORATIO GATES WOOD.

THE DEGREE OF BACHELOR OF PHILOSOPHY,

ON

NORMAN STAUNTON DIKE,
CHARLES HENRY HARE,
CLARENCE LITTLEFIELD,
FRANK MAURAN, JR.,
FRANK EDWIN PECKHAM,
JAMES MONROE PENDLETON, 2D,
HENRY JOHNS RHETT,
KNIGHT CHENEY RICHMOND,
NOAH BEAZELLE SMITH,
ORRAY TAFT,
HENRY KNOWLES WILBUR.

THE DEGREE OF MASTER OF ARTS,

ON

CHARLES SUMNER BOYER, of the Class of 1879,
EDWIN BULLARD, of the Class of 1867,
GEORGE HENRY COFFIN, of the Class of 1874,
GEORGE EDWARD CRANSTON, of the Class of 1869,
JOSIAH MEDBERY, M. D., of the Class of 1875,
FREDERIC EUGENE PARTINGTON, of the Class of 1879,
WILLIAM FRANCIS RICHARDSON, of the Class of 1880,

And on the following members of the Class of 1882 :

EDWARD CLARENCE BIXBY,
WILLIAM ALBERT BUXTON,
FRANK ADELBERT EVERETT,
AUSTIN POWERS FOSTER,
NEWTON STONE FULLER,
WILLIAM ALLEN FRANCIS,
ARTHUR EDWARD GAGE,
FRED LUTHER GAMAGE,
ELMER SAMUEL HOSMER,
WALTER BALLOU JACOBS,
WILLIAM EVERETT JILLSON,
WILLIAM TURELL LEARNED,
ARTHUR THOMAS LAWTON,
HERBERT MCINTOSH,
WINFIELD GEORGE MERRILL,
OSMON CLEANDER BAKER NASON,
WILLIAM HENRY POMEROY,
THOMAS JEFFERSON SHIEL,
EDWARD ALLEN SWAIN,
CHARLES RAWSON THURSTON.

HONORARY DEGREES.

THE DEGREE OF BACHELOR OF ARTS,

ON

SAMUEL HOWARD WORCESTER, M. D.

THE DEGREE OF MASTER OF ARTS,

ON

HON. WILLIAM FRANCIS SAYLES.

THE DEGREE OF DOCTOR OF DIVINITY,

ON

REV. FRANK TOMLINSON HAZELWOOD.

THE DEGREE OF DOCTOR OF LAWS,

ON

HON SAMUEL SULLIVAN COX.

CATALOGUE

OF THE

Officers and Students .

OF

BROWN UNIVERSITY

1886-7



PROVIDENCE

PROVIDENCE PRESS COMPANY, PRINTERS

1886

ISSUED, NOVEMBER, 1886

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Calendar, 1886-87.

1886	Sunday	Monday	Tuesday	Wednes.	Thursday	Friday	Saturday	1887	Sunday	Monday	Tuesday	Wednes.	Thursday	Friday	Saturday	1887	Sunday	Monday	Tuesday	Wednes.	Thursday	Friday	Saturday
July	..	..	..	..	1	2	3	Jan.	..	..	..	..	..	..	1	July	..	..	..	..	..	1	2
	4	5	6	7	8	9	10		2	3	4	5	6	7	8		3	4	5	6	7	8	9
	11	12	13	14	15	16	17		9	10	11	12	13	14	15		10	11	12	13	14	15	16
	18	19	20	21	22	23	24		16	17	18	19	20	21	22		17	18	19	20	21	22	23
	25	26	27	28	29	30	31		23	24	25	26	27	28	29		24	25	26	27	28	29	30
Aug.	..	..	..	..	..	..	..	Feb.	..	..	1	2	3	4	5	Aug.	..	1	2	3	4	5	6
	1	2	3	4	5	6	7		6	7	8	9	10	11	12		7	8	9	10	11	12	13
	8	9	10	11	12	13	14		13	14	15	16	17	18	19		14	15	16	17	18	19	20
	15	16	17	18	19	20	21		20	21	22	23	24	25	26		21	22	23	24	25	26	27
	22	23	24	25	26	27	28		27	28	..	..	..	..	..		28	29	30	31	..	..	..
Sep.	..	..	..	1	2	3	4	Mar.	..	..	1	2	3	4	5	Sep.	..	..	..	..	1	2	3
	5	6	7	8	9	10	11		6	7	8	9	10	11	12		4	5	6	7	8	9	10
	12	13	14	15	16	17	18		13	14	15	16	17	18	19		11	12	13	14	15	16	17
	19	20	21	22	23	24	25		20	21	22	23	24	25	26		18	19	20	21	22	23	24
	26	27	28	29	30	..	..		27	28	29	30	31	..	..		25	26	27	28	29	30	..
Oct.	..	..	..	..	1	2	3	Apr.	..	..	..	..	..	1	2	Oct.	..	..	..	..	..	1	2
	3	4	5	6	7	8	9		3	4	5	6	7	8	9		2	3	4	5	6	7	8
	10	11	12	13	14	15	16		10	11	12	13	14	15	16		9	10	11	12	13	14	15
	17	18	19	20	21	22	23		17	18	19	20	21	22	23		16	17	18	19	20	21	22
	24	25	26	27	28	29	30		24	25	26	27	28	29	30		23	24	25	26	27	28	29
	31	..	..	..	..	..	..		..	..	..	..	..	..	..		30	31	..	..	..	..	..
Nov.	..	1	2	3	4	5	6	May	1	2	3	4	5	6	7	Nov.	..	..	1	2	3	4	5
	7	8	9	10	11	12	13		8	9	10	11	12	13	14		6	7	8	9	10	11	12
	14	15	16	17	18	19	20		15	16	17	18	19	20	21		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		22	23	24	25	26	27	28		20	21	22	23	24	25	26
	28	29	30	..	..	..	..		29	30	31	..	..	..	..		27	28	29	30	..	..	..
Dec.	..	..	..	1	2	3	4	June	..	..	..	1	2	3	4	Dec.	..	..	..	..	1	2	3
	5	6	7	8	9	10	11		5	6	7	8	9	10	11		4	5	6	7	8	9	10
	12	13	14	15	16	17	18		12	13	14	15	16	17	18		11	12	13	14	15	16	17
	19	20	21	22	23	24	25		19	20	21	22	23	24	25		18	19	20	21	22	23	24
	26	27	28	29	30	31	..		26	27	28	29	30	..	..		25	26	27	28	29	30	31

COLLEGE CALENDAR FOR 1886-87.

1886

- September 1,* *Wednesday.* Annual Meeting of the Corporation.
- September 15,* *Wednesday.* **Academic Year begins** (third Wednesday in September).
- November 25,* *Thursday.* Thanksgiving Day. No College exercises on Thursday, Friday and Saturday of Thanksgiving week.
- Christmas Holidays,** from evening of Wednesday, December 22, 1886, to evening of Tuesday, January 4, 1887.

1887

- January 20-26,* *Thursday to Wednesday.* Semi-Annual Examinations of College Classes.
- January 27,* *Thursday.* **Second Half-year Begins.**
- February 22,* *Tuesday.* Washington's Birthday. No College exercises.
- Spring Recess,** Thursday evening, March 24, to Monday evening, April 4.
- May 16-21,* *Monday to Saturday.* Examinations of Senior Class.
- May 30,* *Monday.* Decoration Day. No College exercises.

<i>June 3-9,</i>	<i>Friday to Thursday.</i> Semi-Annual Examinations of College Classes.
<i>June 10,</i>	<i>Friday.</i> Class Day.
<i>June 12,</i>	<i>Sunday.</i> Baccalaureate Sermon.
<i>June 13,</i>	<i>Monday.</i> Sophomore Prize Declamation.
<i>June 14,</i>	<i>Tuesday.</i> Annual Meeting of the Phi Beta Kappa Society, 9.30 A. M.
<i>June 14,</i>	<i>Tuesday.</i> Annual Alumni Meeting, in Manning Hall, at 4 P. M.
<i>June 15,</i>	<i>Wednesday.</i> One hundred and nineteenth annual Commencement (third Wednesday in June).
<i>June 16,</i>	<i>Thursday.</i> Meeting of the Corporation, in the Old Chapel, University Hall.
<i>June 16, 17, 18,</i>	<i>Thursday, Friday, Saturday.</i> Examinations for admission to College.
Summer Vacation.	
<i>September 7,</i>	<i>Wednesday.</i> Annual Meeting of the Corporation, in the Old Chapel, University Hall (first Wednesday in September).
<i>September 12, 13,</i>	<i>Monday, Tuesday.</i> Examinations of Delinquents in College studies.
<i>September 12, 13,</i>	<i>Monday, Tuesday.</i> Examinations for admission to College.
<i>September 14,</i>	<i>Wednesday.</i> Academic Year begins.

CORPORATION.

BOARD OF FELLOWS.

EZEKIEL G. ROBINSON, D. D., LL. D.,

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REV. SAMUEL L. CALDWELL, D. D., LL. D., Providence.

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HON. CHARLES THURBER, A. M., Germantown, Pa.†

REV. JOHN C. STOCKBRIDGE, D. D., Providence.

MARSHALL WOODS, A. M., Providence.

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WILLIAM W. KEEN, M. D., Philadelphia, Pa.

REV. ADONIRAM J. GORDON, D. D., Boston, Mass.

REV. JAMES B. SIMMONS, D. D., New York, N. Y.

† Deceased.

-
- REV. WILLAM H. EATON, D. D., Keene, N. H.
 ALBERT K. SMILEY, A. M., New Paltz, N. Y.
 HON. ROWLAND HAZARD, A. M., Providence.
 EDWIN M. SNOW, M. D., Providence.
 ARNOLD B. CHACE, A. M., Valley Falls.
 HORATIO N. SLATER, JR., A. M., Providence.
 HON. ELIJAH B. STODDARD, A. M., Worcester, Mass.
 REV. DANIEL LEACH, D. D., Providence.
 RICHARD M. ATWATER, A. M., Millville, N. J.
 HON. WILLIAM F. SAYLES, A. M., Pawtucket.
 HON. CHARLES L. COLBY, B. P., Milwaukee, Wis.
 REV. S. DRYDEN PHELPS, D. D., New Haven, Conn.
 REV. EDWARD JUDSON, D. D., New York, N. Y.
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 ADIN B. UNDERWOOD, A. M., Boston, Mass.
 JOHN CARTER BROWN WOODS, A. M., LL. B., Providence
 MORTIMER H. HARTWELL, A. M., Providence.
-

REV. SAMUEL L. CALDWELL, D. D., LL. D.,
 SECRETARY OF THE CORPORATION, Providence.

ARNOLD B. CHACE, A. M.,
 TREASURER, Valley Falls.

ADVISORY COMMITTEE OF THE ALUMNI.

- REUBEN A. GUILD, LL. D., Providence.
 ALBERT HARKNESS, PH. D., LL. D., Providence.
 CHARLES B. GOFF, A. M., Providence.
 FRANCIS A. GASKILL, A. M., Worcester, Mass.
 ROBERT IVES GAMMELL, A. M., Providence.
 WILLIAM T. PECK, A. M., Providence.
 WILLIAM V. KELLEN, A. B., Boston, Mass.

MEMBERS OF THE FACULTY

AND

OTHER OFFICERS.

EZEKIEL GILMAN ROBINSON, D. D., LL. D.,
PRESIDENT,
Professor of Moral and Intellectual Philosophy,
72 College Street.

JOHN LARKIN LINCOLN, LL. D.,
Professor of the Latin Language and Literature,
58 Angell Street.

ALBERT HARKNESS, PH. D., LL. D.,
Professor of the Greek Language and Literature,
101 Prospect Street.

BENJAMIN FRANKLIN CLARKE, A. M.,
Professor of Mathematics and Civil Engineering,
91 Chestnut Street.

JOHN HOWARD APPLETON, A. M.,
Newport-Rogers Professor of Chemistry,
85 Angell Street.

TIMOTHY WHITING BANCROFT, A. M.,
Professor of Rhetoric and English Literature,
13 Greene Street.

ELI WHITNEY BLAKE, A. M.,
Hazard Professor of Physics,
72 Waterman Street.

* *Elton Professor of Natural Theology.*

JOHN WHIPPLE POTTER JENKS, A. M.,
Professor of Agricultural Zoölogy, and Curator of the Museum,
Middleborough, Mass.

ALONZO WILLIAMS, A. M.,
Professor of Modern Languages,
10 Cushing Street.

WILLIAM CAREY POLAND, A. M.,
Assistant Professor of Latin and Greek,
12 Barnes Street.

ALPHEUS SPRING PACKARD, M. D., PH. D.,
Professor of Zoölogy and Geology,
115 Angell Street.

* Instruction in Natural Theology is at present given by the PRESIDENT.

NATHANIEL FRENCH DAVIS, A. M.,

Assistant Professor of Mathematics,

53 Daboll Street.

WILLIAM WHITMAN BAILEY, B. P.,

Professor of Natural History (Botany), and Curator of the Herbaria,

6 Cushing Street.

REV. ELISHA BENJAMIN ANDREWS, D. D., LL. D.,

Professor of History and Political Economy,

45 South Angell Street.

WINSLOW UPTON, A. M.,

Professor of Astronomy.

CHARLES VALUE CHAPIN, M. D.,

Professor of Physiology,

22 Cabot Street.

HOWARD MALCOM TICKNOR, A. M.,

Instructor in Elocution,

Boston, Mass.

WILLIAM SHIELDS LISCOMB, A. M.,

Instructor in Rhetoric and Modern Languages,

180 Congdon Street.

OTIS EVERETT RANDALL, A. B.,

Instructor in Mathematics and Civil Engineering,

37 Beaufort Street.

CHARLES ALFRED POTTER,

Assistant Instructor in Analytical Chemistry,

233 High Street.

GUGLIELMO D'ARCAIS,

Instructor in Modern Languages,

Butler Exchange, IV, 2½.

STEPHEN OSTROM EDWARDS, A. M.,

Instructor in Mathematics and Logic,

95 Benevolent Street.

REUBEN ALDRIDGE GUILD, LL. D.,

Librarian,

34 Pratt Street.

JOHN MILTON BURNHAM, A. M.,

Assistant Librarian.

GILMAN PARKER ROBINSON,

Registrar,

72 College Street.

ARCHIBALD GRANT DELANEY,

Steward,

32 Amy Street.

RESIDENT GRADUATES.

NAME	RESIDENCE	ROOM
Austen Kennedy de Blois, A. B.,	<i>Wolville, N. S.,</i>	University, 16.
Howard Kemble Stokes, A. B.,	<i>Providence,</i>	439 Benefit St.

SENIOR CLASS.

NAME	RESIDENCE	ROOM
George Willis Brechbill,	<i>Fultonham, O.,</i>	Hope, 15.
Walter Cochrane Bronson,	<i>Andover, Mass.,</i>	Hope, 22.
Clarence Augustus Carr,	<i>Newport,</i>	Slater, 8.
Wayland Johnson Chase,	<i>Exeter, N. H.,</i>	Hope, 14.
William Nelson Chase,	<i>Exeter, N. H.,</i>	Hope, 14.
Edmund Denison Chesebro,	<i>Stonington, Conn.,</i>	University, 54.
Homer Clark,	<i>Colchester, Conn.,</i>	University, 30.
Gardner Colby,	<i>Orange, N. J.,</i>	University, 10.
Arthur Irving Connell,	<i>Fall River, Mass.,</i>	Slater, 15.
Clarence Buck Crawford,	<i>Ottawa, Ks.,</i>	University, 47.
George Hazard Crooker,	<i>Providence,</i>	University, 40.
John De Forest Danielson,	<i>Providence,</i>	Hope, 2.
George Owen Dexter,*	<i>Nayatt,</i>	Nayatt.
Frank Sigel Dietrich,	<i>Ottawa, Ks.,</i>	University, 47.
George Wilton Field,	<i>Brockton, Mass.,</i>	Slater, 15.
Isaac Hudson Gillhuly,	<i>Keyport, N. J.,</i>	Hope, 43.
Theodore Francis Green,	<i>Providence,</i>	14 John St.

* Under conditions, or not fully examined.

NAME	RESIDENCE	ROOM
John Henshaw,	<i>Providence,</i>	Hope, 2.
Irving Clifton Hicks,	<i>Providence,</i>	500 High St.
Albert Walker Hinds,	<i>West Boylston, Mass.,</i>	Hope, 30.
George Arthur Jepherson,	<i>Providence,</i>	Slater, 13.
Walter Esmond Keach,	<i>Valley Falls,</i>	Valley Falls.
John Knox,	<i>Haywards, Cal.,</i>	University, 12.
Lucky Alonzo Lindsay,	<i>Jacksborough, Tenn.,</i>	Hope, 22.
Dana Carleton Mumro,	<i>Bristol,</i>	Hope, 23.
James Francis Murphy,	<i>Central Falls,</i>	Central Falls.
William Overton,	<i>Pawtucket,</i>	Pawtucket.
Charles Currier Phillips,	<i>Nashville, Tenn.,</i>	22 Warren St.
George Ripley Pinkham,	<i>Thompson, Conn.,</i>	Hope, 38.
William Robert Potter,	<i>Phenix,</i>	43 So. Main St.
Alfred Merritt Quick,	<i>Plainfield, Conn.,</i>	Hope, 11.
Howard Prescott Quick,	<i>Plainfield, Conn.,</i>	Hope, 11.
Philip Joseph Reid,	<i>Providence,</i>	160 Charles St.
Orman Eris Ryther,	<i>Newport, Vt.,</i>	Hope, 24.
Walter Reuben Scott,	<i>Danielsonville, Conn.,</i>	University, 41.
Richard Mitchell Sherman, Jr.,	<i>Oakland, Cal.,</i>	University, 18.
Louis Franklin Snow,	<i>Providence,</i>	779 High St.
William Walter Wakeman,	<i>Moodus, Conn.,</i>	Hope, 39.
Harry Franklin Walker,*	<i>Thomaston, Me.,</i>	Pawtucket.
Joseph Walker,	<i>Worcester, Mass.,</i>	Slater, 4.
Augustus Daniel Wheeler,†	<i>Midvale, N. J.,</i>	Hope, 41.
Charles Lincoln White,	<i>Winchester, Mass.,</i>	University, 31.
Frank Denison White,	<i>Rutland, Vt.,</i>	Slater, 4.
Beniah Longley Whitman,	<i>Marlborough, Mass.,</i>	Hope, 27.
Richard Wright,	<i>Providence,</i>	Hope, 43.
Herrick Platt Young,	<i>Providence,</i>	80 Parade St.

Select Course.

Whitman Lillibridge Wood,	<i>Providence,</i>	169 Johnston St.
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* Under conditions, or not fully examined.

† Deceased.

JUNIOR CLASS.

NAME	RESIDENCE	ROOM
Carl Hewes Abbott,	<i>Oakland, Cal.,</i>	105 Williams St.
William Franklin Arrington,	<i>Salem, Mass.,</i>	Hope, 16.
Clarence Augustus Barbour,	<i>Hartford, Conn.,</i>	76 Doyle Ave.
Josiah Bartlett,	<i>Kingston,</i>	Hope, 13.
Francis Joseph Belcher,	<i>Providence,</i>	Slater, 11.
Arthur Joy Bentley,	<i>Providence,</i>	290 Broadway.
Eli Whitney Blake, Jr.,	<i>Providence,</i>	72 Waterman St.
George Samson Brown,	<i>Providence,</i>	38 Angell St.
Ernest Henry Brownell,	<i>Bristol,</i>	91 Westminster St.
Francis Herbert Brownell,	<i>Little Compton,</i>	University, 43.
Winthrop White Brownell,	<i>Providence,</i>	195 Benefit St.
Clayton Platt Brunsen,	<i>Bristol,</i>	Slater, 2.
Charles Kemble Chambers,	<i>Mount Holly, N. J.,</i>	Slater, 14.
Albert Burke Cook,	<i>Providence,</i>	144 Angell St.
Charles Doughty Cooke,	<i>Paterson, N. J.,</i>	University, 43.
James Floyd Denison,	<i>Sheboygan Falls, Wis.,</i>	Hope, 24.
Charles Edward Dennis, Jr.,	<i>Providence,</i>	10 Willow St.
Edwin King Dexter,	<i>Sharon, Vt.,</i>	University, 13.
John Wesley Gilbert,*	<i>Augusta, Ga.,</i>	Hope, 45.
Henry Ledyard Goddard,*	<i>Providence,</i>	36 George St.
Clarence Grant Hamilton,	<i>Providence,</i>	66 Federal St.
Frederick Augustus Harris,	<i>Providence,</i>	140 Prospect St.
Frank Sanborn Hawes,*	<i>Hampton Falls, N. H.,</i>	Hope, 47.
Morris William House,	<i>Barrington,</i>	134 Bridgham St.
John Fred Humes,	<i>West Sutton, Mass.,</i>	Hope, 16.
John Powell Hunter,	<i>Longwood, Md.,</i>	Hope, 15.
Arthur Pliny Johnson,	<i>East Providence,</i>	East Providence.

* Under conditions, or not fully examined.

NAME	RESIDENCE	ROOM
Elliott Woodbury Lamson,	<i>Hamilton, Mass.,</i>	Hope, 25.
Alexander Marshall,	<i>Ashton,</i>	Ashton.
Charles Franklin Medbury,	<i>Foxborough, Mass.,</i>	University, 48.
Frank Sargent Phillips,	<i>Millville, Mass.,</i>	29 Hammond St.
Henry Winn Pinkham,	<i>Thompson, Conn.,</i>	Hope, 38.
Louis Childs Sanford,	<i>Bristol,</i>	University, 30.
Walter Burges Smith,	<i>Providence,</i>	114 Benevolent St.
Robert Rennie Taft,	<i>Pawtuxet,</i>	Pawtuxet.
Arthur Eugene Watson,	<i>Waltham, Mass.,</i>	University, 48.
Fred Earle Whitaker,	<i>Woonsocket,</i>	Hope, 28.
William Allen Wilbur,	<i>Mystic River, Conn.,</i>	University, 54.
Albert Avery Williams,	<i>Providence,</i>	36 Governor St.
William Harry Williams,	<i>Northampton, Mass.,</i>	Hope, 25.
Erving Yale Woolley,	<i>Pawtucket,</i>	Pawtucket.
Clarence Whitford Young,	<i>Ottawa, Ks.,</i>	Hope, 25.

Select Course.

Henry Ames Barker,	<i>Providence,</i>	Hope, 19.
Edward Wainwright Brunsen, Jr.,	<i>Bristol,</i>	Slater, 2.
John Cornelius Quinn,	<i>Providence,</i>	374 Wickenden St.
Edward French Thompson,	<i>Fall River, Mass.,</i>	Slater, 10.

SOPHOMORE CLASS.

NAME	RESIDENCE	ROOM
Earl Newton Adams,	<i>Moravia, N. Y.,</i>	Hope, 29.
Francis Wayland Ayer,	<i>Providence,</i>	Hope, 17.
Oliver Sargent Ayer,	<i>Providence,</i>	Hope, 17.
Arthur Ellis Barrows,	<i>Providence,</i>	25 Constitution St.
Bertram Sinclair Blaisdell,	<i>Providence,</i>	435 Potter's Ave.
Edwin Davidson Blanchard,	<i>Hudson Centre, N. H.,</i>	Hope, 32.
Hugh Alphonsus Bradley,*	<i>Providence,</i>	Hope, 40.
Frederic Huntington Briggs,	<i>Boston, Mass.,</i>	University, 27.
Thomas Edwin Brown, Jr.,	<i>Providence,</i>	38 Angell St.
Francis Burdick,	<i>Newport,</i>	Slater, 8.
Almon Christie Burnham,	<i>Pawtuxet,</i>	University, 13.
Frank Williams Carpenter,	<i>Attleborough, Mass.,</i>	University, 52.
Frederic Everett Carpenter,	<i>Ashton,</i>	Ashton.
Albert Stanton Chesebro,	<i>Bristol,</i>	University, 34.
Louis St. Clair Colby,	<i>Orange, N. J.,</i>	University, 10.
Arthur Cushing,	<i>North Providence,</i>	Hope, 20.
William Brecke Deane,	<i>Ogdensburg, N. Y.,</i>	University, 22.
Charles Arthur Denfeld,	<i>Westborough, Mass.,</i>	University, 55.
Archibald Angus Freeman,	<i>Cortland, N. Y.,</i>	University, 50.
Sylvanus Everett Frohock,	<i>Warwick,</i>	Hope, 32.
Reginald Spinks Fyfe,*	<i>Salem, Ill.,</i>	Hope, 35.
William Howatt Gardner.	<i>New Brunswick, N. J.,</i>	Hope, 41.
Edwin Penn Goodell,†	<i>Brookfield, Mass.,</i>	40 Arch St.
John Goudie Gordon,	<i>Lowell Mass.,</i>	Hope, 6.
George Preston Grant, Jr.,	<i>Central Falls,</i>	University, 52.

* Under conditions, or not fully examined.

† Deceased.

NAME	RESIDENCE	ROOM
Walter Perley Hall,	<i>Worcester, Mass.,</i>	Slater, 14.
George Clark Harrington,	<i>Providence,</i>	University, 46.
Lauriston Hartwell Hazard,	<i>Providence,</i>	47 George St.
Ralph Wentworth Jackson,	<i>Fall River, Mass.,</i>	Slater, 20.
Ernest Potter Jenks,	<i>No. Brookfield, Mass.,</i>	University, 41.
Prescott Ford Jernegan,	<i>Edgartown, Mass.,</i>	Hope, 12.
George Jones King,	<i>Providence,</i>	* 43 Waterman St.
William Gilbert Lathrop,	<i>Providence,</i>	17 Angell St.
Harry Plummer Lovewell,	<i>Providence,</i>	University, 46.
George Raynesford Macleod,	<i>East Providence,</i>	University, 32.
Edward Payson Manning,	<i>Raynham, Mass.,</i>	Slater, 19.
Francis Heber Mansfield,	<i>Taunton, Mass.,</i>	Hope, 37.
Richard Runyon Martin,	<i>Kingston, N. Y.,</i>	98 Bowen St.
Robert Lewis Preston Mason,	<i>Providence,</i>	70 Congdon St.
George Packard,	<i>Providence,</i>	16 Camp St.
Henry Fenno Parker,	<i>Brockton, Mass.,</i>	Slater, 20.
Herbert Ware Parmenter,	<i>Providence,</i>	Slater, 19.
William Samuel Pease,	<i>Providence,</i>	29 Benevolent St.
Carl Copping Plehn,	<i>Providence,</i>	17 Pleasant St.
George Porter,	<i>Bridgeport, Conn.,</i>	Slater, 5.
Edward Harris Rathbun,	<i>Woonsocket,</i>	Slater, 3.
Herbert Ambrose Rice,	<i>Pawtucket,</i>	Pawtucket.
Edward Thompson Root,	<i>Providence,</i>	University, 41.
Frederick Wescott Sarle,	<i>Warwick,</i>	Hope, 34.
Charles Aaron Sawyer,	<i>Ellenburgh, N. Y.,</i>	University, 40.
Dennis Harvey Sheahan,	<i>Providence,</i>	138 Veazie St.
Albert Allen Silver, Jr.,	<i>Derby Centre, Vt.,</i>	University, 12.
Newton Mercer Simmonds,	<i>Taunton, Mass.,</i>	University, 31.
Warren Seabury Simmons, Jr.,	<i>Providence,</i>	University, 32.
Ernest Gilbert Smith,	<i>Saxton's River, Vt.,</i>	Hope, 29.
Frank Austin Smith,	<i>Brooklyn, N. Y.,</i>	University, 21.
David Grant Smyth,	<i>Northwood, N. H.,</i>	University, 59.
Vernon Purinton Squires,	<i>Cortland, N. Y.,</i>	University, 50.

NAME	RESIDENCE	ROOM
Augustus Taber Swift,	<i>New Bedford, Mass.,</i>	University, 53.
George Eddy Warren,	<i>Newton Centre, Mass.,</i>	Slater, 7.
Joseph Caldwell Whipple,	<i>Malden, Mass.,</i>	University, 60.
Frank Harlow Wildes,	<i>Providence,</i>	Hope, 19.
Appleton Park Williams,	<i>Providence,</i>	University, 49.
John Parker Williams,	<i>Chester, Vt.,</i>	University, 44.
Nathan Manchester Wright,	<i>Johnston,</i>	Johnston.

Select Course.

Augustus Osborn Bourn, Jr.,	<i>Bristol,</i>	University, 33.
John Cameron,	<i>White Lake, Ont.,</i>	Hope, 36.
John Edward Conley,	<i>Warren,</i>	14 Westminster St.
Charles Farnsworth,	<i>Norwich, Conn.,</i>	University, 28.
Allen Tibbitts Johnson,	<i>Providence,</i>	Slater, 1.
Charles Goodrich King,	<i>Providence,</i>	43 Waterman St.

FRESHMAN CLASS.

NAME	RESIDENCE	ROOM
John Lincoln Alger.	<i>Bellows Falls, Vt.,</i>	Hope, 5.
Frank Appleton,	<i>Providence,</i>	Hope, 10.
George John Bloomfield,	<i>Pawtucket,</i>	University, 9.
Alfred Paley Bond,	<i>Wethersfield, Conn.,</i>	University, 45.
Alexander Phoenix Bourne,	<i>Barrington Centre,</i>	Hope, 8.
Charles Henry Brown,	<i>New London, N. H.,</i>	Hope, 31.
Frank Abbott Bucklyn,	<i>Mystic Bridge, Conn.,</i>	University, 56.
Martin Salisbury Budlong,	<i>Providence,</i>	142 High St.
Joseph Edmond Bullen,	<i>Pawtucket,</i>	Pawtucket.
Lucius Sanford Carpenter,†	<i>Attleborough, Mass.</i>	
Fred Wilson Carrier,	<i>Glastonbury, Conn.,</i>	University, 45.
Alexis Caswell,	<i>Providence,</i>	113 Washington St.
Hamilton Edgar Chapman,	<i>Pendleton Hill, Conn.,</i>	University, 57.
Bela Carlyle Clapp,	<i>Pawtucket,</i>	Pawtucket.
Ralph Roger Clapp,	<i>Pawtucket,</i>	Slater, 16.
Henry Williams Cooke,	<i>Providence,</i>	University, 34.
James Quayle Dealey,	<i>Galveston, Tex.,</i>	Hope, 5.
George French Dyer,	<i>Fall River, Mass.,</i>	Slater, 18.
William Holden Eddy,	<i>Providence,</i>	36 Bradford St.
Edgar Eldredge,	<i>Ottawa, Ill.,</i>	29 Benevolent St.
William Grosvenor Ely, Jr.,	<i>Norwich, Conn.,</i>	University, 18.
Herbert Angell Fenner,	<i>Centredale,</i>	Centredale.
Charles Henry Forbes,	<i>Providence,</i>	68 Jenkins St.
Edgar Benjamin French,	<i>Pawtucket,</i>	Pawtucket.
Edwin Collins Frost,	<i>Providence,</i>	Hope, 3.
Harry Linwood Grant,	<i>Providence,</i>	163 Broadway.

† Deceased.

NAME	RESIDENCE	ROOM
William Thomas Green,	<i>Fall River, Mass.,</i>	Slater, 18.
Jerome Bonaparte Greene, Jr.,	<i>Bristol,</i>	Bristol.
Frederick Taft Guild,	<i>Providenec,</i>	10 Pitman St.
Charles Lee Anthony Heiser,	<i>Providence,</i>	University, 19.
Lincoln Crawford Heywood,	<i>Pawtucket,</i>	Pawtucket.
Ehner Fremont Higgins,	<i>West Boylston, Mass.,</i>	Hope, 27.
Dennis Joseph Holland,	<i>Providence,</i>	50 Crary St.
Frederick Howard Hovey.	<i>Newton Centre, Mass.,</i>	Slater, 7.
Daniel Sanford Jenks,	<i>Pawtucket,</i>	Hope, 4.
Alfred Scott Johnson,	<i>East Providence,</i>	East Providence.
Joseph Mary Killelea,	<i>Ottawa, Ill.,</i>	29 Benevolent St.
Albert Eugene Kingsley,	<i>Poquonoc Bridge, Ct.,</i>	University, 57.
Charles Fisk McKenzie,	<i>Winchester, Mass.,</i>	University, 16.
James McLaughlin,	<i>Danielsonville, Conn.,</i>	Hope, 41.
Fred Oscar Merrifield,	<i>Mendota, Ill.,</i>	University, 9.
Albert Long Morrison,	<i>Providence,</i>	74 Broadway.
Walter Nelson Morse,	<i>Putnam, Conn.,</i>	29 Benevolent St.
Eugene Calvin Myrick,	<i>Providence,</i>	107 Providence St.
Lyman Churchill Newell,	<i>Pawtucket,</i>	Slater, 16.
Tracey Lansing Newton,	<i>Oakdale, Mass.,</i>	Hope, 30.
George Lewis Collins Ormsbee,	<i>Providence,</i>	129 Waterman St.
Augustus Stanton Owen,	<i>Lake Village, N. H.,</i>	Hope, 10.
Henry Robinson Palmer,	<i>Stonington, Conn.,</i>	University, 56.
Eugene Ashton Perry,	<i>Brockton, Mass.,</i>	Hope, 8.
James Benton Porter,	<i>Bridgeport, Conn.,</i>	Slater, 5.
Edward Everett Potter,	<i>Auburn,</i>	Auburn.
Walter Ackman Presbrey,	<i>Providence,</i>	71 Broadway.
Frederick Miller Rhodes,	<i>Providence,</i>	75 Chestnut St.
Frederic Moseley Sackett, Jr.,	<i>Providence,</i>	15 Greene St.
Frederic Washburne Sandford,	<i>Bristol,</i>	Bristol.
Frank Arthur Sayles,	<i>Pawtucket,</i>	University, 19.
John William Scott,	<i>Ottawa, Ill.,</i>	29 Benevolent St.
Arthur Warren Smith,	<i>Providence,</i>	22 Providence St.
Brown Esek Smith,	<i>Providence,</i>	416 Crauston St.

NAME	RESIDENCE	ROOM
Charles Francis Smith,	<i>Jamestown, N. Y.,</i>	Slater, 11.
Edward Clinton Stiness,	<i>Pawtucket,</i>	Pawtucket.
Frederick Emerson Stockwell.	<i>Providence,</i>	20 Cooke St.
James Freebody Thompson,	<i>Providence,</i>	100 Chestnut St.
Clifford Sayles Tower,	<i>Providence,</i>	Hope, 3.
Carl Efferenn Tucker,	<i>Niagara Falls, N. Y.,</i>	Hope, 23.
Irving Everett Walker,	<i>Westborough, Mass.,</i>	University, 55.
Herman William Wätjen.	<i>Manchester, N. H.,</i>	Hope, 31.
George Heber Webb,	<i>Providence,</i>	857 Eddy St.
Frank Thomas Westcott,	<i>Hopedale, Mass.,</i>	79 Almy St.
Samuel Edgar Whitaker,	<i>Providence,</i>	98 Atwell's Ave.
Elliot Farnsworth White,	<i>Brooklyn, N. Y.,</i>	University, 25.
James Alexander Williams,	<i>Blackville, S. C.,</i>	Hope, 21.
Lemuel Butler Wilmarth,	<i>Upton, Mass.,</i>	281 Pine St.

Select Course.

Albert Josiah Read,	<i>Pawtucket,</i>	Hope, 4.
Charles Humphrey Sisson,	<i>Watertown, N. Y.,</i>	Hope, 21.
Earle Pearce Winsor,	<i>Torrington, Conn.,</i>	University, 8.

SUMMARY.

Resident Graduates	2
Seniors	47
Juniors	46
Sophomores	71
Freshmen	77
Total	243

CONDITIONS OF ADMISSION TO COLLEGE.

The regular examinations for admission to the FRESHMAN CLASS will take place on Thursday, Friday and Saturday of Commencement week, June 16, 17 and 18, 1887, beginning at 8 o'clock, A. M., on Thursday. *Candidates must be in attendance during the three days.*

On Thursday, at 8 A. M., candidates meet in the South Room of Rhode Island Hall to be registered and also to be arranged in divisions (I. and II.). In each of the examinations, division I. will occupy the North Room of Rhode Island Hall, division II. the South Room of the same building.

The order of the examinations will be:

THURSDAY, JUNE 16.

Mathematics, from 8.15 A. M. to 12.30 P. M.; *Latin*, from 2.30 to 6 P. M.

FRIDAY, JUNE 17.

Greek, from 9 A. M. to 12.30 P. M.; *French*, from 3 to 5 P. M.

SATURDAY, JUNE 18.

English, from 9 to 11 A. M.

There will be, as follows, a second examination in each of the above branches, on Monday and Tuesday, September 12 and 13, 1887. *Applicants must be in attendance on both days.*

MONDAY, SEPT. 12.

French, North Room, R. I. Hall, 9 to 11 A. M.

English, South Room, R. I. Hall, 11.30 A. M. to 1. P. M.

Mathematics, North Room, R. I. Hall, 2 to 6 P. M.

TUESDAY, SEPT. 13.

Latin, North Room, R. I. Hall, 8 to 10.30 A. M.

Greek, South Room, R. I. Hall, 11 A. M. to 1.30 P. M.

For admission to **ADVANCED STANDING**, candidates not from other colleges must be examined in the studies already pursued by the class which they propose to enter. These examinations will be held in Rhode Island Hall, also on Monday and Tuesday, September 12 and 13.

No student can be admitted as a candidate for matriculation, unless he bring suitable testimonials of good moral character. If from another college, he must also present a certificate of his rank in the college which he has left, and of regular dismissal from it.

For the Courses for the Degree of Bachelor of Arts.

Candidates for admission to the Freshman Class are examined in the following subjects; but real equivalents will be received for any of the Latin or Greek works mentioned:

I. Greek. 1 Greek Grammar (Hadley's is preferred). 2 The Syntax and Greek Selections in Harkness's First Greek Book, or an equivalent from any other Greek Reader. 3 The whole of Xenophon's Anabasis, or *five* books of the Anabasis and *two* books of Homer; the Odyssey is preferred. 4 The

first *twenty* exercises of Arnold's Greek Prose Composition, or the first *twenty-five* exercises of Jones's Greek Prose Composition. 5 The general history of Greece to the death of Alexander.

NOTE—In place of the examination in five books of the *Anabasis* and two of Homer, candidates may, at their option, substitute an examination in translating at sight passages of ordinary difficulty from the works of Xenophon and from Homer. Candidates thus examined will be supplied with a vocabulary of the less usual words.

II. **Latin.** 1 Cæsar, *Gallic War*, books I.-IV., or books I.-III., and Sallust's *Catiline*, with questions on the subject-matter and on grammar. 2 Ovid, twenty-five hundred lines (Lincoln's edition). 3 Cicero, the *Orations against Catiline*, and the *Oration for Archias*, with questions, as on Cæsar. 4 Vergil, *Aeneid*, books I.-VI., or *Aeneid*, books I.-V., and the *Eclogues*, with questions on the subject-matter and on prosody. 5 Translation, at sight, of ordinary passages from Cæsar, Cicero's *Orations*, Vergil's *Aeneid* and Ovid's *Metamorphoses*, with questions on grammar, prosody, history and antiquities, suggested by the passages assigned. 6 Translation into Latin of simple English sentences. 7 Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose. 8 Outlines of Roman Geography, and of Roman History to the end of the reign of Marcus Aurelius. It is recommended that pupils be accustomed, from the beginning of their preparatory course, to translate into Latin, both orally and in writing, passages prepared by the teachers on the basis of the prose authors read.

In pronouncing Latin, it is recommended that *ā* be pronounced as in *father*, *ā* as the first *a* in *apart*; *ē* as in *prey*, *ē* as in *men*; *ī* as in *machine*, *ī* as in *pity*; *ō* as in *old*, *ō* as in *nor*; *ū* as in *rule*, *ū* as in *put*; *j* as *y* in *yard*; *c* always as *k* in *king*; *g* always as *g* in *get*.

III. Mathematics. 1 Arithmetic, including the Metric System of Weights and Measures. 2 Algebra, through Equations of the Second Degree, including Arithmetical and Geometrical Progression and the use of the Binomial Formula. 3 Plane Geometry.

IV. English Composition. Candidates will each be required to write a brief composition upon a subject assigned at the time of examination. These compositions must be correct in expression and division into paragraphs, as well as in grammar, punctuation and spelling.

In 1887, the subject will be taken from one of the following works: Shakspeare's Julius Cæsar; Johnson's Lives of Milton and Dryden; Milton's Paradise Lost, I. and II.; Dryden's Alexander's Feast; Scott's Quentin Durward; Irving's Bracebridge Hall.

Candidates are expected to be familiar with all the above works.

Specimens of incorrect English will also be assigned for correction.

For 1888, the list will be: Shakspeare's Julius Cæsar and Twelfth Night; Johnson's Lives of Addison and Pope; Thackeray's English Humorists; A. Dobson's Eighteenth Century Essays; Pope's Essay on Criticism and Rape of the Lock; Miss Austen's Pride and Prejudice; Irving's Bracebridge Hall.

For 1889, Shakspeare's Julius Cæsar and As You Like It; Johnson's Lives of Swift and Gray; Thackeray's English Humorists; Gray's Elegy written in a Country Churchyard; Miss Austen's Pride and Prejudice; Scott's Rob Roy and Marmion.

For 1890, Shakspeare's Julius Cæsar and Midsummer Night's Dream; Macaulay's Life of Johnson and Essay on Boswell's Life of Johnson; Carlyle's Essay on Boswell's Life of Johnson; Johnson's Vanity of Human Wishes; Goldsmith's Vicar of Wakefield and Deserted Village; A. Dobson's Eighteenth Century Essays; Macaulay's Lays of Ancient Rome.

V. French. 1 Part I. of Whitney's Grammar. 2 Bôcher's Otto's Reader, fifty pages. Real equivalents will be accepted. An additional examination is offered to candidates desiring to enter the advanced Division of the Freshman Class.

Teachers are requested not to read with their classes the works read in College. Special attention should be given to pronunciation.

Preliminary Examinations.

In the Preparatory studies named below, candidates may be examined one year before the time at which they intend to apply for admission to the Freshman Class. These examinations will occur, for 1887, on Thursday and Friday, June 16 and 17, *and then only*. They will be held in the *Chemical Lecture Room*, and in the following order :

THURSDAY, JUNE 16.

Arithmetic, from 8 to 10.30 A. M.

Latin, from 2.30 to 5.30 P. M.

FRIDAY, JUNE 17.

Greek, from 9 A. M. to 12 M.

The subjects will be :

I. In Greek.

- 1 Greek Grammar (Hadley's is preferred).
- 2 The Syntax and Greek selections in Harkness's First Greek Book, or an equivalent from any other Greek Reader.
- 3 Three books of Xenophon's Anabasis.

II. In Latin.

- 1 Latin Grammar (Harkness's is preferred).
- 2 Cæsar, or Cæsar and Sallust, as on page 24.
- 3 Translation into Latin of simple sentences.
- 4 Ovid, or Cicero, or Vergil, as on page 24.

III. Mathematics.

Arithmetic, including the Metric System of Weights and Measures.

For the Courses for the Degree of Bachelor of Philosophy.

Courses of instruction for this degree, as for that of Bachelor of Arts, embrace four years. Here certain studies are elective from the beginning, offering to candidates two main courses, one including classical studies, the other omitting these and presenting a larger number of mathematical and scientific studies. Both courses are susceptible of ample variation through election.

Candidates for admission to a course including *Greek* are examined in all the Greek subjects specified on pages 23, 24. They are also examined in all the subjects in the list below.

Candidates for admission to a course including *Latin* are examined in all the Latin subjects specified on page 24. They are also examined in all the subjects, except the Latin, in the list below.

Candidates for admission to a course *omitting* classical studies are examined in the following subjects :

I. Latin.

Five books of Cæsar, or its equivalent in Cicero or in Vergil.

II. Mathematics.

1 Arithmetic, including the Metric System of Weights and Measures. 2 Algebra, through Equations of the Second Degree, including Arithmetical and Geometrical Progression and the use of the Binomial Formula. 3 Plane Geometry.

III. English.

Candidates will each be required to write a brief composition upon a subject assigned at the time of examination. These compositions must be correct in expression and division into paragraphs, as well as in grammar, punctuation and spelling.

In 1887, the subject will be taken from one of the following works: Shakspeare's Julius Cæsar; Johnson's Lives of Milton and Dryden; Milton's Paradise Lost, I. and II.; Dryden's Alexander's Feast; Scott's Quentin Durward; Irving's Bracebridge Hall.

Candidates are expected to be familiar with all the above works.

Specimens of incorrect English will also be assigned for correction.

For the subjects for 1888, 1889 and 1890, see page 25.

IV. French.

1 Part I. of Whitney's Grammar. 2 Bôcher's Otto's Reader, fifty pages. Real equivalents will be accepted. An additional examination is offered to candidates desiring to enter the advanced Division of the Freshman Class.

Teachers are requested not to read with their classes the works read in College. Special attention should be given to pronunciation.

SELECT COURSES.

A student may pursue a select course without becoming a candidate for a degree. Each course of this kind must have the approval of the Faculty, and except in special cases, require attendance in the class-room of at least sixteen hours per week. The candidate must be examined in the subjects preliminary to the studies which he proposes to pursue.

COURSES OF INSTRUCTION.

FIRST, FOR THE DEGREE OF BACHELOR OF ARTS.

FRESHMAN CLASS.

First Half-Year.

- 1 *Greek.* Felton's Greek Historians. Greek Composition. Smith's History of Greece. *Four hours a week.*
- 2 *Latin.* Cicero, *De Senectute* and *De Amicitia*. Selections from Cicero's Epistles. Latin Composition. *Four hours a week.*
- 3 *Mathematics.* Geometry, Solid and Spherical. Plane Trigonometry. *Six hours a week.*
- 4 *French.* First Division. (1) The *Athalie* of Racine will be read in the class. (2) Examinations will be held upon the *Esther*, *Iphigénie* and *Phèdre* of Racine. Second Division. (1) Three books of the *Télémaque* of Fénelon will be read in the class. (2) Examinations will be held upon three additional books of *Télémaque*. Williams's *Subjunctive Mood* (both Divisions). Voluntary divisions will be arranged with all who desire to read more of Racine or Fénelon. *Two hours a week.*

Second Half-Year.

- 1 *Greek.* Homer's Iliad. Greek Composition. *Four hours a week.*
- 2 *Latin.* Livy (Lincoln's Selections), Books I., II., XXI., XXII. Roman History. Latin Composition. *Four hours a week.*

- 3 *Mathematics.* Spherical Trigonometry. Algebra. *Six hours a week.*
- 4 *French.* First Division. (1) The *Horace* of Corneille will be read in the class. (2) Examinations will be held upon the *Cid*, *Cinna* and *Polyeucte* of Corneille. Second Division. (1) The *Horace* of Corneille will be read in the class. (2) Examination will be held upon the *Cid*. Voluntary divisions will be arranged with all who desire to read more of this author. *Two hours a week.*
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SOPHOMORE CLASS.

First Half-Year.

- 1 *Greek.* Demosthenes, Public Orations. *Three hours a week.*
- 2 *Latin.* Horace (Lincoln's Edition). Latin Composition. *Three hours a week.*
- 3 *Rhetoric.* Bancroft's Method of English Composition. A. S. Hill's Principles of Rhetoric. Essays. Principal Books of Reference : Campbell's Philosophy of Rhetoric, Whately's Elements of Rhetoric, Hunt's Principles of Written Discourse and D. J. Hill's Science of Rhetoric. *Two hours a week.*
- 4 *Elocution.* Lectures and Exercises. Principal Works of Reference : Rush on the Voice; Murdoch and Russell's Vocal Culture; The Speaking Voice, Hullah; Throat and Voice, Cohen. *Once a week.*
- 5 *Physiology.* Lectures. Books of Reference: in Anatomy, Quain and Gray; in Physiology, Dalton, Flint and Foster; in Hygiene, Buck. *Three hours a week.*
- 6 Two of the following elective studies:*
- (1) *Mathematics.* General Geometry. *Two hours a week.*
- (2) *German.* Whitney's Brief Grammar. Exercises in German Composition. Practice in German Conversation. Joynes's Reader. *Two hours a week.*
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* Choice of electives both here and in the following years, subject to the schedule of recitations.

(3) *French.* Molière. *Two hours a week.*

(4) *Botany.* *Two hours a week.*

Second Half-Year.

1 *Greek.* Sophocles. Lectures. *Three hours a week.*

2 *Latin.* The *Agricola* and the *Germania* of Tacitus. Pliny's Letters.
Latin Composition. *Three hours a week.*

3 *Rhetoric.* A. S. Hill's Principles of Rhetoric. Rhetorical study of
Macaulay's Essay on Milton. Essays. *Two hours a week.*

4 *Elocution.* Lectures and Exercises, with Declamations. For reference,
Bacon's Manual of Gesture. *One hour a week.*

5 *Mechanics.* *Three hours a week.*

6 Two of the following elective studies :

(1) *Mathematics.* General Geometry. *Two hours a week.*

(2) *German.* Advanced Grammar. Exercises in German Composition.
Der Zerbrochene Krug of Zschokke, *Eigensinn* of Benedix. *Two*
hours a week.

(3) *French.* Modern Authors. *Two hours a week.*

(4) *Botany.* Lectures and field excursions. *Two hours a week.*

JUNIOR CLASS.

First Half-Year.

1 *Rhetoric.* (1) Historical Outlines of the English Language. Manual of
English Literature, with Study of Early English. (2) English
Literature from the Fifth to the Seventeenth century. Principal
authors referred to : in Language, Marsh, Müller, Whitney and
Sayce ; in Literature, Taine, Ward, Morley and Shaw. *Four*
hours a week. Essays and Orations, *Saturdays.*

2 *Elocution.* Private rehearsals of Orations.

3 *Chemistry.* The subject is presented under four sub-divisions: Descrip-
tive, Experimental, and Theoretical Chemistry, and Stoichiometry.
Instruction is given by text-books and by lectures. The lectures

are illustrated by experiments and colored charts and by black-board exercises. Books of Reference: Fownes's Chemistry, Roscoe and Schorlemmer's Chemistry, Cooke's Chemical Philosophy. *Three hours a week.*

- 4 *Physics.* Lectures, illustrated by experiments, also Recitations, both in writing and oral. Books of Reference: Atkinson's Ganot, Deschanel's Natural Philosophy, Silliman's Physics. *Five hours a week.*
- 5 A sufficient number of the following elective courses to make up *four or five hours a week* :
 - (1) *Greek.* Euripides. *Two hours.*
 - (2) *Latin.* Horace's *Ars Poetica*, and Selections from his Epistles. *Two hours.*
 - (3) *Mathematics.* Differential and Integral Calculus. *Three hours.*
 - (4) *German.* Schiller's *Jungfrau von Orleans*. *Two hours.*
 - (5) *German.* Williams's German Conversation and Composition. *One hour.*
 - (6) *French.* *Two hours.*
 - (7) *Engineering.* Advanced Mechanics. *Two hours.*

Second Half-Year.

- 1 *Logic.* Text-Book, Jevons's Elementary Lessons in Logic. Principal authors referred to : Mill, Hamilton, Bowen. *Two hours a week.*
- 2 *Rhetoric.* English Literature of the Seventeenth and Eighteenth Centuries. Manual of English Literature, with Study of Authors. *Three hours a week.* Essays and Orations, *Saturdays.*
- 3 *Elocution.* Private rehearsals of Orations.
- 4 *Astronomy.* Newcomb and Holden's Astronomy, with Lectures. Principal authors referred to: Newcomb, Herschel, Chauvenet. *Two hours a week.*
- 5 *History.* General History of European Civilization. Lectures. Also brief dissertations by the class, based partly upon original sources of mediæval history, partly upon the works of Bryce, Hallam, Gibbon, Guizot and Waitz. *Three hours a week.*

5 A sufficient number of the following elective studies to make up *seven or eight hours a week* :

- (1) *Greek*. Plato. *Two hours*.
- (2) *Latin*. Juvenal, Persius, Terence, Latin Composition, Lectures. *Two hours*.
- (3) *Mathematics*. Differential and Integral Calculus. *Three hours*.
- (4) *German*. Lessing's *Emilia Galotti*. *Two hours*.
- (5) *German*. Williams's German Conversation and Composition. *One hour*.
- (6) *Engineering*. Advanced Mechanics. *Two hours*.
- (7) *Surveying*. *Three hours*.
- (8) *Analytical Chemistry*. Laboratory Practice. *Five hours*.
- (9) *Zoölogy*. Lectures. *Two hours*. Laboratory work.* *Two hours*.

Books of Reference: Packard's Zoölogy, Huxley's Anatomy of the Invertebrates, Huxley's Anatomy of the Vertebrates, Gegenbaur's Elements of Comparative Anatomy, Packard's Outlines of Comparative Embryology.

- (10) *Political Economy*. Lectures, chiefly from the point of view of Adam Smith, but with appreciative attention to the teachings of Cossa, Knies, Kohn, Roscher, Schaeffle and Wagner. Discussions. Special studies by the class, of Fawcett, Mill, Cairnes, F. A. Walker and other authors. *Two hours*.

SENIOR CLASS.

First Half-Year.

- 1 *Intellectual Philosophy*. Lectures. Essays by the class. Sir William Hamilton's Lectures on Metaphysics, Kant's Critique of Pure Reason (expositions of Mahaffy, Caird, Stirling and Morris), Wayland's Intellectual Philosophy, Porter's The Human Intellect, Sully's Outlines of Psychology. *Four hours a week*.

* Only for those who also take the Lectures.

- 2 *History.* Lectures upon the Evolution of Constitutional Government in England and America. Studies by the class, in Stubbs and Hallam, Gardiner, Green, Guizot and Pauli, Bancroft, and von Holst. *Three hours a week.*
- 3 *Agricultural Zoölogy* (required for students on state scholarships).
- 4 A sufficient number of the following elective studies to make up *six, seven or eight hours a week* for students on state scholarships, *seven, eight or nine* for all others.
 - (1) *Greek.* Demosthenes, Oration on the Crown, with Lectures. *Three hours.*
 - (2) *Latin.* Lucretius, with Lectures. *Three hours.*
 - (3) *Advanced Mathematics.* *Three hours.*
 - (4) *German.* Goethe's *Iphigenie*, with Lectures. *Three hours.*
 - (5) *Italian.* *Two hours.*
 - (6) *Spanish.* *Two hours.*
 - (7) *Engineering.* Advanced Mechanics. *Two hours.*
 - (8) *Analytical Chemistry.* Laboratory Practice. *Five hours.*
 - (9) *Geology.* Lectures. *Two hours.* Laboratory work. *Two hours.*
 Books of Reference : Dana's New Text-book of Geology, Dana's Manual of Geology, Le Conte's Elements of Geology, Nicholson's Ancient Life-History of the Earth.
 - (10) *Roman Law.* Holland's Institutes of Justinian, with Lectures. Short essays by the class. *One hour.*
 - (11) *Advanced Political Economy.* Lectures, Problems, Dissertations. *One hour.*

Second Half-Year.

- 1 *Moral Philosophy.* Lectures, with essays by the class. Wayland's Moral Science, Alexander's Moral Science, Kant's Metaphysic of Ethics (Semple's and Abbott's translations), Calderwood's Handbook of Moral Philosophy, Sidgwick's Methods of Ethics, Janet's Theory of Morals, with references to various other authors. *Five hours a week.*
Natural Theology, and Evidences of Christianity, by Lectures.
- 2 A sufficient number of the following elective studies to make up *seven, eight or nine hours :*

-
- (1) *Lectures on the History of Philosophy.* One hour.
 - (2) *Greek. Plato.* Three hours.
 - (3) *Latin. The Annales and Historiae of Tacitus, with Lectures.* Three hours.
 - (4) *Advanced Mathematics.* Three hours.
 - (5) *English Literature of the Nineteenth Century.* Class-room Debates.
Tennyson's Idyls of the King. Two hours.
 - (6) *German. Goethe's Faust, with Lectures.* Three hours.
 - (7) *Italian.* Two hours.
 - (8) *Spanish.* Two hours.
 - (9) *Engineering. Graphical Analysis.* Two hours.
 - (10) *Analytical Chemistry. Laboratory Practice.* Five hours.
 - (11) *Physics. Laboratory Practice.** Four hours.
 - (12) *Geology (continued). Lectures, with a short course on Archaeology and Ethnology.* One hour.
 - (13) *History. Constitutional History of the United States. Lectures, with independent researches by the class.* Two hours.
 - (14) *International Law. Lectures, based upon Calvo, Heffter and Holtendorff. Short essays by the class.* One hour.
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* See p. 45.

SECOND, FOR THE DEGREE OF BACHELOR OF PHILOSOPHY.

FRESHMAN CLASS.

First Half-Year.

- 1 *Mathematics.* Geometry Solid and Spherical. Plane Trigonometry.
Six hours a week.
- 2 *Mathematics.* Geometrical Problems. *Four hours a week.*
- 3 *French.* First Division. (1) The *Athalie* of Racine will be read in the class. (2) Examinations will be held upon the *Esther*, *Iphigénie*, and *Phèdre* of Racine. Second Division. (1) Three books of the *Télémaque* of Fénelon will be read in the class. (2) Examinations will be held upon three additional books of *Télémaque*. Williams's Subjunctive Mood (both Divisions). Voluntary divisions will be arranged with all who desire to read more of Racine or Fénelon. *Two hours a week.*
- 4 One of the following courses. *Four hours a week:*
 - (1) *Greek.* Felton's Greek Historians. Greek Composition. Smith's History of Greece.
 - (2) *Latin.* Cicero, *De Senectute* and *De Amicitia*. Selections from Cicero's Epistles. Latin Composition.
 - (3) a. *Biology.* *Three hours.* b. *Free-hand Drawing.* *One hour.*

Second Half-Year.

- 1 *Mathematics.* Spherical Trigonometry. Algebra. *Six hours a week.*
- 2 *Mathematics.* Surveying and Mensuration. *Four hours a week.*
- 3 *French.* First Division. (1) The *Horace* of Corneille will be read in the class. (2) Examinations will be held upon the *Cid*, *Cinna* and *Polycette* of Corneille. Second Division. (1) The *Horace* of Corneille will be read in the class. (2) Examination will be held upon the *Cid*. Voluntary divisions will be arranged with all who desire to read more of this author. *Two hours a week.*

- 4 One of the following courses. *Four hours a week:*
- (1) *Greek.* Homer's Iliad. Greek Composition.
- (2) *Latin.* Livy. (Lincoln's Selections), Books I., II., XXI., XXII.
Roman History. Latin Composition.
- (3) a. *English.* *Three hours.* b. *Free-hand Drawing.* *One hour.*

SOPHOMORE CLASS.

First Half-Year.

- 1 *Rhetoric.* Bancroft's Method of English Composition. A. S. Hill's Principles of Rhetoric. Essays. Principal Books of Reference: Campbell's Philosophy of Rhetoric, Whately's Elements of Rhetoric, Hunt's Principles of Written Discourse and D. J. Hill's Science of Rhetoric. *Two hours a week.*
- 2 *Elocution.* Lectures and Exercises. Principal Works of Reference: Rush on the Voice; Murdoch and Russell's Vocal Culture; The Speaking Voice, Hullah; Throat and Voice, Cohen. *Once a week.*
- 3 *Physiology.* Lectures. Books of Reference: in Anatomy, Quain and Gray; in Physiology, Dalton, Flint and Foster; in Hygiene, Buck. *Three hours a week.*
- 4 One of the following courses.* *Nine, ten or eleven hours a week:*
- | | |
|---|---|
| (1) <i>Greek or</i> | (2) <i>Greek or</i> |
| <i>Latin, three hours.</i> | <i>Latin, three hours.</i> |
| <i>Chemistry, three hours.</i> | <i>Botany, two hours.</i> |
| <i>Two electives, four hours.</i> | <i>Two or three electives, four or six hours.</i> |
| (3) <i>Descriptive Geometry, six hours.</i> | (4) <i>Chemistry, three hours.</i> |
| <i>Two electives, four hours.</i> | <i>Botany, two hours.</i> |
| | <i>Two or three electives, four or six hours.</i> |

* A course begun this half-year must be continued the next. Courses (1) and (4) are preparatory to the study of Analytical Chemistry.

The electives available for the above courses are as follows :

- (a) *Mathematics.* General Geometry. *Two hours.*
- (b) *German.* Whitney's Brief Grammar. Exercises in German Composition. Practice in German Conversation. Joynes's Reader *Two hours.*
- (c) *French.* Molière. *Two hours.*

Second Half-Year.

- 1 *Mechanics.* *Three hours a week.*
- 2 *Rhetoric.* A. S. Hill's Principles of Rhetoric. Rhetorical study of Macaulay's Essay on Milton. Exercises in Rhetorical Criticism. Essays. *Two hours a week.*
- 3 *Elocution.* Lectures and Exercises, with Declamations. For Reference, Bacon's Manual of Gesture. *One hour a week.*
- 4 One of the following courses. *Nine, ten or eleven hours a week :*
 - (1) *Greek or Latin, three hours.*
 - (2) *Greek or Latin, three hours.*
 - Analytical Chemistry, five hours.*
 - Zoölogy, two hours.*
 - One elective, two hours.*
 - Two electives, four hours.*
- (3) *Shades, Shadows and Linear Perspective, six hours.*
- (4) *Analytical Chemistry, five hours.*
- Two electives, four hours.*
- Zoölogy, two hours.*
- One or two electives, two or four hours.*

The electives available for the above courses are as follows :

- (a) *Mathematics.* General Geometry. *Two hours.*
- (b) *German.* Advanced Grammar. Exercises in German Composition. *Der Zerbrochene Krug* of Zschokke, *Eigensinn* of Benedix. *Two hours.*
- (c) *French.* Modern Authors. *Two hours.*
- (d) *Botany.* Lectures and field excursions. *Two hours.*

JUNIOR CLASS.

First Half-Year.

- 1 *Rhetoric.* (1) Historical Outlines of the English Language. Manual of English Literature, with Study of Early English. (2) English Literature from the Fifth to the Seventeenth century. Principal authors referred to: in Language, Marsh, Müller, Whitney and Sayce; in Literature, Taine, Ward, Morley and Shaw. *Four hours a week.* Essays and Orations, *Saturdays.*
- 2 *Elocution.* Private Rehearsals of Orations.
- 3 *Chemistry.* The subject is presented under four sub-divisions: Descriptive, Experimental, and Theoretical Chemistry, and Stoichiometry. Instruction is given by text-books and by lectures. The lectures are illustrated by experiments and colored charts and by blackboard exercises. Books of Reference: Fownes's Chemistry, Roscoe and Schorlemmer's Chemistry, Cooke's Chemical Philosophy. *Three hours a week.*
- 4 *Physics.* Lectures, illustrated by experiments; also Recitations, both in writing and oral. Books of Reference: Atkinson's Ganot, Deschanel's Natural Philosophy, Silliman's Physics. *Five hours a week.*
- 5 A sufficient number of the following elective studies to make up *four or five hours a week* :*
 - (1) *Greek.* Euripides. *Two hours.*
 - (2) *Latin.* Horace's *Ars Poetica*, and Selections from his Epistles. *Two hours.*
 - (3) *Mathematics.* Differential and Integral Calculus. *Three hours.*
 - (4) *German.* Schiller's *Jungfrau von Orleans.* *Two hours.*
 - (5) *German.* Williams's German Conversation and Composition. *One hour.*
 - (6) *French.* *Two hours.*
 - (7) *Engineering.* *Two hours.*

*Students who have taken Course (1) or Course (4), Sophomore year, must take here Analytical Chemistry, *five hours*, and one elective of *two hours*, in place of Chemistry, *three hours*, and two other electives, *four hours*.

Second Half-Year.

- 1 *Logic.* Text-Book, Jevons's Elementary Lessons in Logic. Principal Authors referred to : Mill, Hamilton, Bowen. *Two hours a week.*
- 2 *Rhetoric.* English Literature of the Seventeenth and Eighteenth Centuries. Manual of English Literature, with Study of Authors. *Three hours a week.* Essays and Orations, *Saturdays.*
- 3 *Elocution.* Private Rehearsals of Orations.
- 4 *Astronomy.* Newcomb and Holden's Astronomy, with Lectures. Principal Authors referred to : Newcomb, Herschel, Chauvenet. *Two hours a week.*
- 5 *History.* General History of European Civilization. Lectures. Also brief dissertations by the class, based partly upon original sources of mediæval history, partly upon the works of Bryce, Hallam, Gibbon, Guizot and Waitz. *Three hours a week.*
- 6 A sufficient number of the following elective studies to make up *seven or eight hours a week* :
 - (1) *Greek.* Plato. *Two hours.*
 - (2) *Latin.* Juvenal, Persius, Terence, Latin Composition, Lectures. *Two hours.*
 - (3) *Mathematics.* Differential and Integral Calculus. *Three hours.*
 - (4) *German.* Lessing's *Emilia Galotti.* *Two hours.*
 - (5) *German.* Williams's German Conversation and Composition. *One hour.*
 - (6) *Engineering.* Advanced Mechanics. *Two hours.*
 - (7) *Analytical Chemistry.* Laboratory Practice. *Five hours.*
 - (8) *Zoölogy.* Lectures. *Two hours.* Laboratory work.* *Two hours.*
 Books of Reference: Packard's Zoölogy, Huxley's Anatomy of the Invertebrates, Huxley's Anatomy of the Vertebrates, Gegenbaur's Elements of Comparative Anatomy, Packard's Outlines of Comparative Embryology.

* Only for those who also take the Lectures.

- (9) *Political Economy.* Lectures, chiefly from the point of view of Adam Smith, but with appreciative attention to the teachings of Cossa, Knies, Köhn, Roscher, Schaeffle and Wagner. Discussions. Special studies by the class, of Faweett, Mill, Cairnes, F. A. Walker and other authors. *Two hours.*

SENIOR CLASS.

First Half-Year.

- 1 *Intellectual Philosophy.* Lectures. Essays by the class. Sir William Hamilton's Lectures on Metaphysics, Kant's Critique of Pure Reason (expositions of Mahaffy, Caird, Stirling and Morris), Wayland's Intellectual Philosophy, Porter's The Human Intellect, Sully's Outlines of Psychology. *Four hours a week.*
- 2 *History.* Lectures upon the Evolution of Constitutional Government in England and America. Studies by the class, in Stubbs and Hallam, Gardiner, Green, Guizot and Pauli, Bancroft and von Holst. *Three hours a week.*
- 3 *Agricultural Zoölogy* (required for students on state scholarships).
- 4 A sufficient number of the following elective studies to make up *six, seven or eight hours a week* for students on state scholarships, *seven, eight or nine* for all others :
 - (1) *Greek.* Demosthenes, Oration on the Crown, with Lectures. *Two hours.*
 - (2) *Latin.* Lucretius, with Lectures. *Two hours.*
 - (3) *Advanced Mathematics.* *Three hours.*
 - (4) *German.* Goethe's *Iphigenie*, with Lectures. *Three hours.*
 - (5) *Italian.* *Two hours.*
 - (6) *Spanish.* *Two hours.*
 - (7) *Engineering.* Advanced Mechanics. *Two hours.*
 - (8) *Analytical Chemistry.* Laboratory Practice. *Five hours.*

- (9) *Geology*. Lectures. *Two hours*. Laboratory work. *Two hours*.
Books of Reference : Dana's New Text-Book of Geology, Dana's Manual of Geology, LeConte's Elements of Geology, Nicholson's Ancient Life-History of the Earth.
- (10) *Roman Law*. Holland's Institutes of Justinian, with Lectures. Short essays by the class. *One hour*.
- (11) *Advanced Political Economy*. Lectures, Problems, Dissertations. *One hour*.

Second Half-Year.

- 1 *Moral Philosophy*. Lectures, with Essays by the class. Wayland's Moral Science, Alexander's Moral Science, Kant's Metaphysic of Ethics (Semple's and Abbott's translations), Calderwood's Hand-book of Moral Philosophy, Sidgwick's Methods of Ethics, Janet's Theory of Morals, with references to various other authors. *Five hours a week*.

Natural Theology, and Evidences of Christianity, by Lectures.

- 2 A sufficient number of the following elective studies to make up seven, eight or nine hours :

- (1) *Lectures on the History of Philosophy*. *One hour*.
- (2) *Greek*. Plato. *Three hours*.
- (3) *Latin*. The *Annales* and *Historiae* of Tacitus, with Lectures. *Three hours*.
- (4) *Advanced Mathematics*. *Three hours*.
- (5) *English Literature of the Nineteenth Century*. *Two hours*.
- (6) *German*. Goethe's *Faust*, with Lectures. *Three hours*.
- (7) *Italian*. *Two hours*.
- (8) *Spanish*. *Two hours*.
- (9) *Engineering*. Graphical Analysis. *Two hours*.
- (10) *Analytical Chemistry*. Laboratory Practice. *Five hours*.

- (11) *Physics*. Laboratory Practice,* *Four hours*.
 - (12) *Geology* (continued). Lectures, with a short course on *Archaeology* and *Ethnology*. *One hour*.
 - (13) *History*. Constitutional History of the United States. Lectures, with independent researches by the class. *Two hours*.
 - (14) *International Law*. Lectures, based upon Calvo, Heffter and Holtzendorff. Short essays by the class. *One hour*.
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* See p. 45.

DEPARTMENTS OF PRACTICAL SCIENCE.

Departments of Practical Science have been established in the University for the benefit of students who wish to prepare themselves for such pursuits as require special knowledge of the mathematical and physical sciences and the applications of these to the industrial arts.

In these departments provision has also been made for courses of instruction in "such branches of learning as are related to Agriculture and the Mechanic Arts." This provision has been made in accordance with an "Act of Congress granting lands for the establishing of Agricultural Colleges," and with "Resolutions of the General Assembly of the State of Rhode Island accepting these lands, and assigning the same to Brown University." Students who enter only for these studies, either in full or in part, are subject to the same conditions of admission as for any select course; and when they have duly pursued such studies, they will be entitled to a certificate stating the time of their residence at the University, and the amount of their acquisitions. They may, however, pursue these studies in connection with the "regular scientific and classical studies of the University," and when they have so pursued them as to fulfil the requirements for the degree of Bachelor of Arts or of Bachelor of Philosophy, they will be entitled to such degree.

I. CHEMISTRY APPLIED TO THE ARTS.

The Chemical Laboratory is open to students, except on Saturdays, from 8.30 A. M. to 2.30 P. M.

It is the design of this department to teach students Analytical Chemistry and then to direct their studies to the practical applications of Chemistry. Attention is given to Metallurgy, Medical Chemistry, Agricultural Chemistry and the application of Chemistry to manufacturing processes.

The course is not confined to undergraduates, other persons, if prepared to pursue the study to advantage, being admitted to the Laboratory; but a knowledge of the general principles of Chemistry is absolutely necessary to profitable study in this department.

The text-books used are :

Appleton's Qualitative Chemical Analysis, Appleton's Quantitative Chemical Analysis, Roscoe's Lessons in Elementary Chemistry, Foye's Chemical Problems, Cairns's Quantitative Analysis.

II. ENGINEERING.

The full course in this Department occupies four years, but a longer or a shorter course may be pursued if the student so elects. Those not wishing to pursue the full course will find the studies so arranged that the knowledge and practice acquired in a partial course will be practical and available. Ample provision will be made for the instruction of any who desire a more extended course than is here indicated, in Engineering and in Higher Mathematics.

The following is the order of study for the regular course :

First Year. Algebra and Geometry; the use of mathematical instruments, including Line Drawing, Pen Shading, graphical construction of Plane Problems; Free-hand Drawing and Shading; use of Mathematical tables; Trigonometry and its application to the measurement of areas, and Surveying, including the theory and adjustment of instruments, field practice and plotting surveys.

Second Year. Analytical Geometry; Descriptive Geometry; Shades and Shadows; Linear Perspective, and Isometrical Drawing.

Third Year. Differential and Integral Calculus; Theory of Structure, embracing the construction of foundations, Stone and Brick Masonry and detailed drawings of the same, with Lectures; Weisbach's Mechanics or Mahan's Civil Engineering.

Fourth Year. Weisbach's Mechanics; Hydraulics, embracing the structure and use of hydraulic machines, the investigation of the laws which govern the flow of water from reservoirs and the flow of water in rivers, canals and conduit pipes, and water used as a motor; Trigonometrical Calculation and Geometrical Representation of the strain on trusses and girders; drawing of Plans, Profiles, Elevations and Sections; construction of machinery and bridges and drawings of the same; strength of materials used in construction; estimation of the resistance of friction and rigidity.

Students desiring admission to this course are subjected to an examination on the same amount of Mathematics as is required of candidates entering for a degree.

III. PHYSICS.

The Laboratory of the Department of Physics offers instruction during the second half-year to a limited number of students, who show special aptitude

for this study, and are desirous of familiarizing themselves with the construction and use of physical apparatus and with the means of investigation.

A course of experiments in Sound, Light, Heat and Electricity, involving the principal phenomena and the most important methods of measurement, has been arranged with reference to the needs of beginners. Apparatus available for more advanced students and for researches has been recently purchased, with the view of meeting the demand for special instruction in Physics.

IV. BOTANY.

Instruction in Botany is given by means of lectures. The course embraces the necessary morphological and physiological subjects, and is supplemented by practical class-work, in which each student employs the microscope in examining specimens. Students are taught to make illustrative drawings from nature.

Each student of Botany is expected to pay a small fee for the cost of specimens used in class-work.

At the proper seasons, excursions are made, under the guidance of the Professor, to neighboring points of botanical interest. At such times students are shown how to collect and preserve specimens.

The following works are recommended for reference: Gray's Botanical Text-Book, Gray's Manual of the Northern States, Sachs's Text-book of Botany, Le Maout and De Caisne's General System of Botany, Bessey's Botany, Vines's Physiology of Plants, Plant Dissection, by Coulter, Barnes and Arthur, Bower's and Vines's Practical Botany, De Bary's Anatomy of Phanerogams and Ferns.

Under proper restrictions, the Herbaria are made accessible to students and the public, for the determination and comparison of species. Every courtesy will be extended to visiting botanists who desire to consult them.

The Bailey Herbarium.

This collection, presented to the University by Professor W. WHITMAN BAILEY, B. P., contains *eighteen hundred* specimens, and about *fifteen hundred* species, American and foreign. It is rich in ferns. The donor has now merged it in the general collection.

"Herbarium Olneyanum."

This valuable collection, presented to BROWN UNIVERSITY by the will of the late STEPHEN THAYER OLNEY, of Providence, is estimated to number

about *forty thousand specimens*. It illustrates American Botany, and is particularly rich in the plants of Rhode Island. The specimens are in good order for consultation.

Mr. Olney's botanical studies, continuing for many years, brought him into relations of active exchange with the leading collectors of this country. He also made large purchases of plants, and thus accumulated a valuable mass of material, which it would now be difficult to duplicate. The correspondence which accompanies the Herbarium covers a period of thirty or more years. It includes communications from Sir Joseph D. Hooker, of Kew, Baron von Mueller, of Melbourne, Professor Asa Gray, Professor John Torrey, Professor D. C. Eaton, Mr. Francis Boott and other eminent botanists. Mr. Olney was an acknowledged authority on the difficult genus *Carex*, and his collection of sedges is one of great value. In the last years of his life he began a monograph upon *Carex*, the notes of which, and the drawings by Mr. J. H. Emerton, accompany his bequest. Specialists in *Carex* frequently consult this Herbarium. A large stock of duplicates is on hand for exchange with other institutions.

The Bennett Herbarium.

This valuable Herbarium is the gift of Mr. JAMES LAWRENCE BENNETT, an accomplished amateur botanist of Providence.

It includes about *thirteen thousand* species, and probably over *thirty thousand* specimens, and has involved in its accumulation thirty years of assiduous labor. American Botany is well represented, but the foreign specimens are the more numerous; many of them are derived from remote and, in some cases, almost inaccessible, regions of the globe.

The completeness with which the natural orders are illustrated, as well as the wide geographical range exhibited, makes this Herbarium an important addition to the means of instruction in the University.

V. ZOÖLOGY AND GEOLOGY.

Zoölogy is taught by lectures, frequent examinations and laboratory work. It is the aim to adapt the lectures to the needs of the general student. It is taken for granted that no liberally educated person should be without a general knowledge of the principles of Biology, the laws of Animal Morphology, the relations of animals to the world about them and to man, and their probable mode of origin.

The laboratory work is a course on Comparative Anatomy. The student is required to draw and to dissect the more important types of the animal kingdom; viz., a starfish, clam, lobster, grasshopper, beetle, butterfly, a fish, frog, bird and mammal. He is required to examine and draw portions of the skeleton of each type of vertebrates, including a comparative study of limbs. The structure of cells and of the Protozoa as well as of the sponges is demonstrated. The course is designed to be of value to one intending to study medicine.

Special facilities will be offered to any one desiring to do more advanced work in Zoölogy.

Specimens of the following rarer types have lately been added for use in this Department: African lung fish (*Protopterus*), *Polypterus*, *Siren*, *Amphiuma*, *Cecilia*, and a skin and skeleton of the Australian spiny anteater (*Echidna*); also skeletons and other osteological preparations of fishes, batrachians, lizards, birds and mammals. Collections illustrating the invertebrate, crustacean, fish, amphibian, reptilian and bird-fauna of Rhode Island have been set apart in the Museum; and valuable histological and embryological preparations have been lately added.

Instruction in Geology is given by means of lectures, laboratory work and field excursions, with especial reference to the geology, structural and economic, of Rhode Island. The lectures are illustrated by diagrams, models in wood and plaster, and fossils. During 1885, the paleontological collection was rearranged and labelled for the use of students. The fossil flora of Rhode Island is fully represented.

The laboratory work comprises an elementary course in Mineralogy and Lithology. Many duplicate crystals have been purchased, and the students are allowed to use them freely in their work. A special collection of Rhode Island minerals is now forming.

Instruction in Physical Geography is given by lectures and examinations, and the course is illustrated by maps and models.

VI. AGRICULTURE.

The course of instruction in Agriculture includes the courses in the preparatory branches, Chemistry and Physics, Botany, Physiology, Zoölogy and Comparative Anatomy. It also embraces special lectures on Agriculture. These relate to the study of soils and to applied Economic Zoölogy. The course of instruction is illustrated by specimens from the Museum of Natural History and by field excursions. Further, practical instruction is given in obtaining and preserving specimens and in taxidermy.

MUSEUM OF NATURAL HISTORY AND ANTHROPOLOGY

IN RHODE ISLAND HALL.

The Museum is under the curatorship of Professor John W. P. Jenks.

The collection includes chiefly the departments of Zoölogy, Geology and Mineralogy, though considerable space in the upper portion of the Hall is devoted to Botany, Ethnology and Archæology.

The department of Zoölogy is arranged according to the more modern methods of classification, beginning with the sponges and ending with the mammals; and it includes materials not only for general work but for special investigation. So far as possible, there have been placed on exhibition, separate from the synoptic collections, local collections representing the fauna of the State. Students giving special attention to Zoölogy are allowed to take from the cases such material as they may need, the aim always being to make the Museum not an exhibition room only, but a place for work.

The department of Geology includes, besides the systematically arranged collection of fossils, a valuable collection illustrating the carboniferous flora of Rhode Island and the tertiary flora of the West. These fossils have been authoritatively named by Professor Leo Lesquereux, a few being species new to science.

The Mineralogical department has several thousand specimens, many of which are almost daily in use by the laboratory students.

The greater part of the Botanical collection has been transferred to the Herbarium, though the Museum still retains a large collection of native and exotic woods. In the Ethnological department are many rare implements from the South Seas as well as from the Arctic Regions, the Western Plains and Mexico. Archæology is represented by many instructive objects, once the property of now extinct races.

LIBRARY.

The College Library dates from the year 1767, when the Rev. Morgan Edwards collected books for it in England. In 1843, when the Catalogue was printed, and soon after its removal from University Hall to Manning Hall, it contained ten thousand volumes. In 1878, the date of its location in the new

Library Building, it contained fifty thousand volumes. It now numbers sixty-five thousand one hundred and eighty-three bound volumes, in addition to a large and valuable collection of pamphlets.

Nearly all the volumes are well bound, and many of them rare and costly. A large portion has been carefully selected from year to year, with special reference to the wants of professors and students, to aid in literary, scientific and historical research. The departments of bibliography, Greek and Latin classics, history, biography, literature, patristics, modern languages, science and the fine arts, are very full, indeed comparatively complete. The books are arranged in alcoves according to subjects, and **FREE ACCESS IS ALLOWED TO THE SHELVES.** Upon the tables in the centre of the building are placed the standard periodicals, American and foreign, relating to the different departments of study, and behind them, conveniently arranged, are abundant books of reference.

The Library is open in term time *each week-day except Saturday, from 10 to 4; on Saturdays from 10 to 1;* during vacations on Saturdays only.

Members of the Corporation and of the Faculty, also every donor residing in Providence, of five hundred dollars or more to the funds of the University, may use the Library without charge. The Library Committee can grant this privilege to others, but by vote of the Corporation, persons other than the above, including students and graduates, pay therefor the sum of five dollars each per annum.

The Harris Collection of American Poetry, bequeathed to the University by the late Hon. Henry B. Anthony, has been transferred to the special room in the Library designated for it, and the volumes catalogued.

| The following is a list of the donors to the Library for the year ending June 7, 1886, the residence of each person named being Providence, unless otherwise indicated :

Hon. J. M. Addeman, Secretary of the State of Rhode Island; the American Academy of Arts and Sciences; the American Antiquarian Society; the American Association for the Advancement of Science; the American Pharmaceutical Association; the American Philosophical Society; Professor E. B. Andrews; Professor J. H. Appleton; J. N. Arnold, Editor of the Narragansett Historical Register; Professor W. W. Bailey; Stephen Berry, Portland; Hon. W. W. Blair, Washington; H. W. Bookstaver, New York; the City of Boston, per City Messenger; Hon. C. S. Bradley; the Brown University Debating Society; Professor H. C. Bumpus, Olivet College; G. L. Burleigh, New York; Hon. H. W. Cannon, Washington; Carpenter, Southwick and Jencks; the Public Library of Cincinnati, per C. W. Merrill, Librarian; E. C. Clarke, Chief Engineer of the Mass. Drainage Commission; Charles Congdon, New York; the Earl of Crawford and Balcarres, Aberdeen, Scotland; P. Cudmore, Faribault, Minn.; Rev. Dr. J. N. Cushing, Rangoon, Burmah; A. L. Danielson; Rev. F. Denison; J. H. Dodge, City Auditor, Boston; Mrs. A. C. Ely; R. H. Ferguson, Newton Centre, Mass.; Doct. C. H. Fisher, Secretary of the R. I. State Board of Health; Rev. Professor G. P. Fisher, Yale College; W. E. Foster, Librarian of the Providence Public Library; Joseph Francis, New York; Rev. S. L. Gerould, Goffstown, N. H.; the Library of Glasgow University; Doct. S. A. Green,

Librarian of the Mass. Historical Society; R. A. Guild, LL. D., Librarian of Brown University; Lieut. Col. W. Haffner, Christiania, Norway; M. R. Hamilton, State Librarian of New Jersey; the Librarian of Hamilton College; Harvard University; J. L. Hayes, Cambridge, Mass.; Doct. W. F. Hutchinson; Mrs. Phebe Jackson; Augustine Jones, Principal Friends Boarding School; W. V. Kellen, Boston; G. W. Lane, Secretary of the Territory of New Mexico; W. C. Larned, Chicago; J. W. Leeds, Philadelphia; Doct. J. B. Lindsley, Secretary of the Tenn. State Board of Health; Professor J. L. Lincoln; the Corporation of London, England, per Town Clerk; Thomas Mackellar, Philadelphia; the Mass. Grand Lodge of Free Masons; S. D. Maxwell, Superintendent Cincinnati Chamber of Commerce; C. W. Merrill, Librarian Cincinnati Public Library; the Michigan Board of Agriculture; the State of Minnesota, per Professor N. H. Winchell; Appleton Morgan, New York; United States Naval Observatory, Washington; the State of New Jersey, per M. R. Hamilton, Librarian; the Norwegian Government, per Smithsonian Institution; Oxford University, England, per the Librarian; Wm. Paterson, Newark, N. J.; G. W. Pitcher, Pawtucket; the City of Providence, per E. S. Rhodes, Messenger; C. G. Reed, Mayor of Worcester, Mass.; S. S. Rider; the Royal Institution of Great Britain; the Royal Society of Canada; Stephen Salisbury, Worcester, Mass.; D. F. Sarmiento, Buenos Ayres; Hon. W. P. Sheffield, Newport; Mrs. Elizabeth A. Shepard; Rev. Dr. D. A. W. Smith, Rangoon, Burnah; the Smithsonian Institution; C. Piazza Smyth, Astronomer-Royal, Edinburgh; H. B. Stanton, New York; Rev. Dr. J. C. Stockbridge; T. B. Stockwell, Commissioner of Public Schools for R. I.; President W. T. Stott, Franklin College; the Swedish Government, per Smithsonian Institution; Rev. Dr. Jeremiah Taylor; Rev. Dr. Thatcher Thayer, Newport; Rev. Dr. J. P. Tustin; the Union Defence Committee, New York; W. H. Venable, Cincinnati; the United States (Department of State, of the Treasury, of War, of the Navy, of the Interior, the Post-Office Department, the Bureaus of Navigation and Education, the Coast Survey, and the Life Saving Service); B. Westermann & Co., New York; Professor B. I. Wheeler, Cornell University; Professor N. H. Winchell, University of Minnesota; Doct. J. J. DeWolf; Young Men's Christian Associations, per R. C. Morse, General Secretary.

PUBLIC WORSHIP.

The exercises of every week-day commence with the reading of Scripture, singing and prayer in the College Chapel. All students are also expected to attend public worship on Sunday; and each one is required to report to the President at the beginning of the year the church which he will attend.

COLLECTION OF PORTRAITS.

Through the liberality of its friends, the College has been presented with a large number of portraits. Most of them are hung in Sayles Hall, the rest in apartments of the other College buildings. The collection includes portraits of benefactors of the University, of some of its former officers, and of other men distinguished in the earlier or the more recent history of Rhode Island.

It has been greatly enriched in late years by portraits presented through a committee appointed by the Alumni, "for the purpose of procuring and placing within the walls of Brown University, the portraits of her Presidents, Professors, distinguished graduates and benefactors."

GYMNASIUM.

Pending the movement now making for a College Gymnasium, the authorities of the College have made arrangements whereby all students who desire, may enjoy, at a moderate cost to themselves, the best facilities which the city affords for gymnastic exercise, with varied apparatus of the most approved patterns, and under a competent instructor.

READING ROOM.

The Sears Reading Room Association of students occupies a large, commodious and well-lighted room, conveniently situated on the first floor of University Hall, fitted up especially for this use, and supplied with all the most important newspapers, daily and weekly, as well as with a variety of the more popular periodicals. The learned reviews may be consulted in the Library.

SEMI-ANNUAL EXAMINATIONS.

Examinations of all the classes are held at the close of each half-year, nearly all of them written. To secure him admission to the final examination in any study for any half-year, a student's term standing in that study must have been at least fifty per cent. of the maximum. If, upon examination in a given study, a student receives a mark which is less than one-half the maximum, he fails to pass in that study, and must prepare himself for a subsequent examination. Any student who fails at two or more regular examinations, covering in the aggregate more than half the work of the term, forfeits his connection with his class, unless his term standing in at least one-

half the work upon which he has failed has reached sixty per cent. of the maximum. Students delinquent in examinations upon the studies of the first half-year are re-examined on the Tuesday at the close of the ensuing spring recess (for 1887, April 5). Students delinquent at the close of an academic year *must be re-examined on the Monday and Tuesday immediately preceding the beginning of the next* (for 1887, September 12 and 13). *They must be in attendance on Monday morning.* Delinquents in any of the examinations of a given year are not permitted to take up the studies of the next, until they have passed all such examinations. Seniors failing at any of their last regular examinations must be re-examined within ten days. The mark for a second examination is in all cases averaged with that of the first.

ABSENCES FROM COLLEGE EXERCISES.

A limited number of absences is allowed each student both from chapel services and from recitations, for which he need render no excuse. Students are, however, desired and encouraged not to avail themselves of this permission except as strictly necessary, high commendation being given on term reports to those who have been perfectly punctual, and mention made of every one who has used less than twenty-five per cent. of the absences allowed him. Every absence beyond the limit, unless from sickness certified by a physician or from such other cause as the President or the Faculty may deem sufficient, incurs ten demerits. Fifty such demerits cause suspension or dismissal, at the discretion of the Faculty.

REPORTS OF PROFICIENCY.

A careful record is kept of the proficiency of every student in the College in each of his studies. At the close of a half-year the members of each class are arranged in four grades according to their respective average standings *for that half-year*. The first grade contains as nearly as possible one-tenth of the class, the second two-tenths, the third three-tenths, the fourth the remainder of the class, except those who are deficient in any study or studies. At the same period a report is sent to the parent or guardian of every student, indicating his standing in each of his studies for the half-year, and the number of the grade in which he stands, also announcing his deficiency in any study or studies if such exists.

APPOINTMENTS FOR COMMENCEMENT.

These are made as follows : A number not exceeding three-fifths of the class about to graduate is appointed, according to rank, to prepare orations. The orations must be handed to the Professor of Rhetoric on or before the fourth Wednesday in April. Among these orations the Professor designates those, not less than half, which in his opinion possess the greatest merit. These are then referred to a committee consisting of the President of the University, the Professor of Rhetoric, and a third member elected each year by the Faculty, and this committee determines which of them, not above ten in number, shall be delivered at Commencement.

CLASS HONORS.

There are three grades of class honors, comprising in each class all those students whose rank for their entire course places them in the first six-tenths of the class. The first grade contains as nearly as possible one-tenth of the class, the second two-tenths, the third three-tenths. Alphabetical lists of the several grades are printed upon the Commencement programme when the class graduates, and in the Catalogue of the ensuing year.

SPECIAL HONORS.

By fulfilling the following conditions a student may, in any department, obtain special honors: 1. Securing the permission of the Faculty to study for such honors. 2. Pursuing all the elective studies in the given department. 3. Prosecuting a special course of reading under the direction of the Professor in charge of the same. 4. Maintaining an average standing in the department, of at least ninety-five per cent. of the maximum. 5. Passing any special examinations required. The names of students thus obtaining honors are printed on the Commencement programme when they graduate, and in the Catalogue of the ensuing year.

EXPENSES.

The necessary College expenses for the year are as follows:

	LOWEST.	HIGHEST.
Tuition,	\$100 00	\$100 00
Rent, single room,	32 00	70 00
Rent, suite,	85 00	135 00
Use of library,	5 00	5 00
Registrar's salary,	4 00	4 00
Public fuel and printing,	14 00	14 00
Servants' hire for those not residing in College,	6 00	6 00
Servants' hire for residents in College,	20 00	30 00

The charge for public fuel is to cover the expense of heating recitation rooms, halls, etc.; that for servants' hire, the cost of caring for the same. The printing referred to is of examination papers, programmes of recitations and the like.

Each room in University and Slater Halls has its gas meter, and occupants are charged for the actual amount of gas which they consume.

Every candidate for a degree pays, upon admission to College, a matriculation fee of \$5 00.

The total expenses of students per year will vary, of course, according to their habits, tastes and means, some students expending more than double, even more than treble, the amounts of others.

Students needing to increase their incomes through their own exertions often find in the city opportunities for doing so, by giving private instruction, by teaching in evening schools, and in other occupations not inconsistent with their duties.

The Corporation, at its annual meeting Sept. 3d, 1884,

"Resolved, That the requirement of advanced payment of term bills shall be strictly enforced; and that for all term bills remaining unpaid at the end of six weeks, either some security for their payment by bond or note, satisfactory to the Treasurer, shall be given, or the delinquent shall be required to leave College."

Board is not furnished at the College, but a list, kept by the Registrar, of eligible families in the city where board can be obtained, is always accessible to students.

The usual cost of board is at present from \$3 00 to \$5 00 per week. A majority of the students pay about \$3 00. By forming clubs, students are enabled to obtain good board so low as \$2 50 or even \$2 25. Board with furnished rooms, in private families, may be had at from \$5 00 to \$10 00 per week.

The charge of \$100 00 for tuition does not include the fees for instruction in Analytical Chemistry.

The expenses of a special student in this branch pursuing a course of study of *two hours* daily in the Laboratory, are, for each half-year, as follows:

Instruction, gas, chemicals, etc.,	\$35 00
Breakage, varying with the student's care, about,	3 00
	<hr/>
	\$38 00

Students who take courses of four hours or of six hours daily, pay, respectively, double or treble the above amounts.

The expenses for gas, chemicals, etc., of a student in any of the regular courses are at the rate of \$18 35, per two hour course, in addition to his regular term bill.

PECUNIARY AID TO STUDENTS.

Scholarships.

Among the various forms of aid offered to students, there are about one hundred scholarships.

There are *sixty-four* scholarships of one thousand dollars each, the income of which is given, under the direction of a committee appointed by the Corporation, to meritorious students who may need pecuniary assistance; *but a scholarship is forfeited if the candidate incurs College censure, or fails to secure at least seventy-five per cent. of the maximum marking.*

The Nicholas Brown Scholarships. Eleven, founded by a bequest made by Nicholas Brown.

The University Scholarships. Four, from College funds appropriated by the Corporation to this use.

The President's Scholarship. Founded by Barnas Sears, when President of the University.

Alva Woods Scholarships. Six, founded by Alva Woods.

James H. Duncan Scholarship. Founded by James H. Duncan.

Isaac Davis Scholarship. Founded by Isaac Davis.

Arnold Whipple Scholarship. Founded in memory of Arnold Whipple, by Mrs. Arnold Whipple.

Ephraim Wheaton Scholarship. Founded by James Wheaton.

Joseph Brown Scholarship. Founded by Mrs. E. B. Rogers.

Gardner Colby Scholarship. Founded by Gardner Colby.

James Y. Smith Scholarship. Founded by James Y. Smith.

S. S. Bradford Scholarships. Two, founded by S. S. Bradford.

Frances R. Arnold Scholarship. Founded by Mrs. Frances R. Arnold.

Cornelia E. Green Scholarship. Founded by Mrs. Cornelia E. Green.

Crocker Scholarship. Founded by Robert H. Ives and Thomas P. Ives, trustees.

Clark Scholarship. Founded by Robert H. Ives and Thomas P. Ives, trustees.

Albert Day Scholarship. Founded by Albert Day.

Henry P. Kent Scholarship. Founded by Henry P. Kent.

Romeo Elton Scholarship. Founded by Romeo Elton.

Annie E. Waters Scholarships. Five, founded by Mrs. Annie E. Waters.

L. Fairbrother Scholarship. Founded by Mrs. L. Fairbrother.

George Lawton Scholarship. Founded by George Lawton.

John P. Crozer Scholarship. Founded by Mrs. Margaret Bucknell.

Horatio N. Slater Scholarship. Founded by Horatio N. Slater.

Earl P. Mason Scholarship. Founded by Earl P. Mason.

Newport Scholarship. Founded by William Sanford Rogers.

Alexis Caswell Scholarship. Founded by Alexis Caswell.

George K. and H. A. Pevear Scholarship. Founded by George K. and H. A. Pevear.

Joseph C. Hartshorn Scholarship. Founded by Joseph C. Hartshorn.

Rogers High School Scholarship. Founded by William Sanford Rogers.

James Wheaton Scholarship. Founded by James Wheaton.

Charles Thurber Scholarship. Founded by Charles Thurber.

Pardon Miller Scholarship. Founded by Mrs. Ann E. Miller.

Hezekiah S. Chase Scholarship. Founded by Hezekiah S. Chase.

William Bucknell Scholarship. Founded by William Bucknell.

Austin Merrick Scholarship. Founded by Mrs. Olive E. Merrick.

Jackson Scholarships. Three, founded by Henry Jackson.

Mumford Scholarship. Founded by Mrs. Louisa D. Mumford.

Henry Clifford Knight Scholarship. Founded by Miss Amelia S. Knight, in memory of her brother, a member of the Class of 1875.

Besides the above scholarships, there are others, the assignment of which is made subject to special provisions. These are as follows:

The Bartlett Scholarship. Founded by MRS. ELIZABETH SLATER BARTLETT, by a gift of four thousand dollars, the income of which is to be "devoted to the support of one or more students needing pecuniary aid, and giving promise by studious aims and by character and scholarship, of rising to distinction and usefulness."

The Glover Scholarships. Founded by a gift of five thousand dollars from

HENRY R. GLOVER, "in memory of his father, SAMUEL GLOVER, a graduate of the College, of the Class of 1808, and of his brother, SAMUEL GLOVER, JR., of the Class of 1839." Assignment is made upon the basis of character and attainments.

The Scholarship of the Class of 1838, of thirty-eight hundred dollars. Founded by members of THE CLASS of 1838, and also assigned upon the basis of character and scholarship.

Scholarships of the Department of Agriculture. By resolutions of the General Assembly of the STATE OF RHODE ISLAND, the national grant, "for the benefit of Agriculture and the Mechanic Arts," was given to Brown University; and the fund of fifty thousand dollars, which has accrued from this grant, is by agreement on the part of the University devoted to the education "of scholars, each at the rate of one hundred dollars per annum, to the extent of the entire annual income." Appointments to these scholarships are made, on the nomination of the General Assembly, by the Governor and Secretary of State, in conjunction with the President of the University.

The Philadelphia Alumni Scholarship. This scholarship has been created by the gift, from the "PHILADELPHIA ALUMNI ASSOCIATION OF BROWN UNIVERSITY," of the sum of fifteen hundred dollars.

The Joseph Charles Hartshorn Scholarship. This is a second scholarship, founded by a gift of two thousand dollars, from the gentleman whose name it bears.

The Sherman Scholarships. These are named *the George J. Sherman Scholarship Number One*, and *the George J. Sherman Scholarship Number Two*. They are founded by the gift of two thousand dollars, from the gentleman whose name they bear.

Aid Fund.

This is a fund of several thousand dollars, the income of which is applied, either by loan or by gift, to the assistance of deserving young men of limited means.

PREMIUMS.

I. For Excellence in Preparatory Studies.

The President's Premiums. These are derived from the income of a fund presented by the REV. FRANCIS WAYLAND, D. D., while President of the University. They are awarded to those members of the Freshman

Class, candidates for the degree of Bachelor of Arts or of Bachelor of Philosophy, who are found, *upon special examination*, to have attained the highest excellence in the classical studies preparatory to admission to College. They are fixed by statute as follows:

A First Premium of fifteen dollars and a second of ten dollars, for excellence in the Greek language.

A First Premium of fifteen dollars and a second of ten dollars, for excellence in the Latin language.

The competitors are examined in the classical studies required for admission to the College.

The most recent award (1886) of these premiums was as follows:

Greek.

The First Premium to HARRY LINWOOD GRANT, instructed by Merrick Lyon, LL. D., in the University Grammar School, Providence.

The Second Premium to FREDERICK EMERSON STOCKWELL, instructed by William T. Peck, A. M., in the Providence High School.

Latin.

The First Premium to EDWIN COLLINS FROST, instructed by William T. Peck, A. M., in the Providence High School.

The Second Premium to WILLIAM HOLDEN EDDY, instructed by William T. Peck, A. M., in the Providence High School.

Mathematics.

The Hartshorn Premiums. These are derived from the income of a fund of one thousand dollars presented by JOSEPH C. HARTSHORN, A. M., of the Class of 1841. This income is appropriated to *three premiums*.

These are awarded to those members of the Freshman Class who are found, upon examination, to have excelled in the preparatory mathematical studies.

The last award (1886) of these Premiums was as follows:

The First Premium to WILLIAM HOLDEN EDDY, instructed by Walter B. Jacobs, A. M., in the Providence High School.

The Second Premium to SAMUEL EDGAR WHITAKER, instructed by Walter B. Jacobs, A. M., in the Providence High School.

The Third Premium to ALEXANDER PHENIX BOURNE, instructed by Albert B. Wiggin, A. B., in the Paterson Seminary, Paterson, N. J.

II. For Excellence in College Studies.

The Carpenter Prizes for Elocution. These are: a First Prize of *sixty* dollars; a Second Prize of *thirty-six* dollars; a Third Prize of *twenty-four* dollars.

They are derived from the income of a fund established by THOMAS CARPENTER, and are awarded annually to the three members of the Sophomore Class to whom shall be assigned, respectively, the first, the second and the third rank of excellence in elocution. The assignment is made by a committee appointed for the purpose, and after trial at a public exhibition given on the Monday evening before Commencement.

The competitors must be members of the Sophomore Class; they may declaim pieces in either prose or verse, selected from English authors, but their selections must be approved by the Professor of Rhetoric. They must enter their names with this Professor not later than on the tenth day before the exhibition.

The Committee of Award consists of five members, and is formed as follows: the Professor or the Instructor in Elocution, who is the chairman, two persons elected by the Corporation, also two elected by the Sophomore Class during the first term of the year, it being understood that no one who is or has been a member of the class is eligible.

The Committee for 1886 awarded the prizes as follows:

The First, to CLAYTON PLATT BRUNSEN.

The Second, to CLARENCE AUGUSTUS BARBOUR.

The Third, to LOUIS CHILDS SANFORD.

The Carpenter Premiums. These are two, of sixty dollars each, derived from the income of a fund established by THOMAS CARPENTER and LYDIA CARPENTER.

These premiums are assigned at the *end of the Senior year*, to the two members of the Senior Class, who, "already on scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life, ability, character and attainment."

For the year 1885-86, the Carpenter Premiums were awarded to

HENRY LEXINGTON EVERETT

and

THOMAS SESSIONS COLE.

The Howell Premium. This fund, amounting to one thousand dollars, was presented by the late GAMALIEL LYMAN DWIGHT. The income is given, at the *close of the first half of the Senior year*, to the student, who, "having a good record of deportment," has the highest rank in Algebra, Geometry, General Geometry, Trigonometry, Calculus, Required Mechanics, Required Astronomy and Required Physics.

For the year 1885-86, this premium was awarded to

BENJAM LONGLEY WHITMAN.

The Dunn Premium. This fund, amounting to somewhat over eight hundred dollars, was presented by pupils and friends of the late PROFESSOR ROBINSON POTTER DUNN, D. D., the income to be given, at the *end of the Junior year*, to the student having the highest standing in rhetorical studies.

For the year 1885-86, this premium was awarded to

BENIAH LONGLEY WHITMAN.

Class of 1873 Fund. This fund, amounting to five hundred dollars, was presented to the University by THE CLASS of 1873, on the condition that its income should be devoted to the founding of a prize for an Essay. The prize is annually offered for competition to members of the Senior Class.

On Commencement Day, June 16, 1886, the President announced the award of this prize to

HENRY LEXINGTON EVERETT.

The Foster Premium. This premium is derived from the income of a fund of three thousand dollars bequeathed to the University by the late HON. LA FAYETTE SABINE FOSTER, LL. D., of the Class of 1828.

In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third and twenty-fourth books of Homer's Iliad, or in the Oration on the Crown by Demosthenes."

The next examination, open to the members of the Senior Class, will be held early in May, 1887. Candidates will be examined in the Oration on the Crown.

On Commencement Day, June 16, 1886, the President announced the award of this prize to

HENRY LEXINGTON EVERETT,

with honorable mention also of

THOMAS SESSIONS COLE.

HONORS IN THE CLASS OF 1886.

CLASS HONORS.

FIRST GRADE.

EDWARD CLIFTON BURNHAM,	NORMAN MORRISON ISHAM,
THOMAS SESSIONS COLE,	CLARENCE HARTWELL MANCHESTER,
HENRY LEXINGTON EVERETT,	ARTHUR LEONARD WADSWORTH.

SECOND GRADE.

WILLIAM HENRY BENNETT,	DANIEL HUNT FULLER,
DANA RIPLEY BULLEN,	SAMUEL WILLIS HAMBLÉN,
CLARENCE EVERETT BURY,	WILBUR BROWN PARSHLEY,
DAVID HENRY CHANDLER,	ALBERT KNIGHT POTTER, JR.,
AMOS LOCKWOOD DANIELSON,	ARTHUR ROGERS,
OTIS ALLEN FREEMAN,	ALLAN HERBERT WILLETT.

THIRD GRADE.

WILLIAM HENRY BEATTIE,	SOLON CHESTER KELLEY,
CHARLES WESLEY BOARDMAN,	ISAAC GIFFORD LADD,
CHARLES ALBERT BRIGGS,	CHARLES JOHN MCCREERY,
ASA CLINTON CROWELL,	JOHN EDWARD NICOLAI,
HENRY FRINK,	CHARLTON ALBANIS REED,
WILLIAM HENRY FROST,	WILLIAM JOB REYNOLDS, JR.,
EDWARD ALVAH GODDING,	JOSEPH SOMERS RUSSEL,
GEORGE GRIME,	EDWIN STANLEY THOMPSON,
STEPHEN CUSHING HARRIS,	GEORGE GRAFTON WILSON.

SPECIAL HONORS.

In Philosophy, Greek, Latin, and Modern Languages,
HENRY LEXINGTON EVERETT.

In Mathematics,
EDWARD CLIFTON BURNHAM.

DEGREES CONFERRED IN 1886.

DEGREES IN COURSE.

THE DEGREE OF BACHELOR OF ARTS

ON

FREDERICK WILLIAM ELLIOTT,

And on the following members of the class of 1886:

HOWARD ALMY,	SOLON CHESTER KELLEY,
WILLIAM HENRY BEATTIE,	ISAAC GIFFORD LADD,
WILLIAM HENRY BENNETT,	WILLIAM ALBERT LANE,
CHARLES WESLEY BOARDMAN,	CLARENCE HARTWELL MANCHESTER,
CHARLES ALBERT BRIGGS,	CHARLES JOHN MCCREERY,
DANA RIPLEY BULLEN,	FRANK LINCOLN MORSE,
EDWARD CLIFTON BURNHAM,	WILLIAM PRESCOTT MUDGE,
CLARENCE EVERETT BURY,	JOHN EDWARD NICOLAI,
DAVID HENRY CHANDLER,	CHARLES ALBERT PARKER,
THOMAS SESSIONS COLE,	WILBUR BROWN PARSHLEY,
ASA CLINTON CROWELL,	ALBERT KNIGHT POTTER, JR.,
AMOS LOCKWOOD DANIELSON,	CHARLTON ALBANIS REED,
FREDERIC WILLIAM DAVIS,	THOMAS GEORGE REES,
FRANK ORMOND DRAPER,	FRANCIS WAYLAND REYNOLDS,
WILLIAM ALLAN DYER,	WILLIAM JOB REYNOLDS, JR.,
HENRY LEXINGTON EVERETT,	CLARENCE VERDINE ROBERTS,
WILLIAM BURNSIDE FRACKELTON,	ARTHUR ROGERS,
OTIS ALLEN FREEMAN,	JOSEPH SOMERS RUSSEL,
HENRY FRINK,	AMOS LOCKWOOD SARLE,
WILLIAM HENRY FROST,	OLIVER PERRY SARLE, JR.,
DANIEL HUNT FULLER,	EDWIN STANLEY THOMPSON,
EDWARD ALVAH GODDING,	ARTHUR LEONARD WADSWORTH,
GEORGE GRIME,	JOSEPH HOOKER WARD,
NORMAN GUNDERSON,	STEPHEN WATERMAN,
EDWARD LEROY GUNN,	WILLIAM SHAW WHITE,
SAMUEL WILLIS HAMBLIN,	WILLIAM WILBERFORCE WHITTEN,
STEPHEN CUSHING HARRIS,	ALLAN HERBERT WILLETT,
HERBERT WADE HIBBARD,	GEORGE WASHINGTON WILLIS,
NORMAN MORRISON ISHAM,	GEORGE GRAFTON WILSON.

THE DEGREE OF BACHELOR OF PHILOSOPHY

ON

CHARLES ENGS LAWTON,
 WILLIAM THOMAS NICHOLSON, JR.,
 EDMUND GORHAM THURBER.

THE DEGREE OF MASTER OF ARTS

ON

OLIVER PAYSON FULLER, of the Class of 1859,
 ROBERT PLINY HAYES, of the Class of 1851,
 TRUMAN JOHNSON, of the Class of 1879,
 SAMUEL HOWARD WORCESTER, M. D., of the Class of 1845,

And on the following members of the Class of 1883:

EDWIN PIERCE ALLEN,	JAMES EUGENE HAMILTON,
ALFRED WILLIAMS ANTHONY,	CLIFFORD ANGELL HARRINGTON,
ABRAM BARKER,	EMORY STEVENS LYON,
ISAAC BRONSON BURGESS,	HENRY PARKER MANNING,
JONATHAN IRWIN CHAFFEE,	ARTHUR MAY MOWRY,
ELISHA DYER, 3D,	HOWARD WILLIS PRESTON,
JOEL NELSON ENO,	FRANK LUCIUS SHEPARDSON,
ALFRED WILLIAM FITZ,	EDGAR OSCAR SILVER,
MOSES CLEMENT GILE,	SYLVESTER MILLER SNOW,
CLARENCE OTIS WILLIAMS.	

HONORARY DEGREES.

THE DEGREE OF MASTER OF ARTS

ON

FRANK WOODBRIDGE CHENEY.

THE DEGREE OF DOCTOR OF DIVINITY

ON

REV. JAMES MCWHINNIE.

THE DEGREE OF DOCTOR OF LAWS

ON

STEPHEN OSGOOD SHEPARD

and

REV. JAMES ORMSBEE MURRAY, D. D.

CATALOGUE

OF THE

Officers and Students

OF

BROWN UNIVERSITY

1887-8



PROVIDENCE

PROVIDENCE PRESS COMPANY, PRINTERS

1887

ISSUED, NOVEMBER, 1887

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Calendar, 1887-88

1887	Sunday	Monday	Tuesday	Wednes.	Thursday	Friday	Saturday	1888	Sunday	Monday	Tuesday	Wednes.	Thursday	Friday	Saturday	1888	Sunday	Monday	Tuesday	Wednes.	Thursday	Friday	Saturday
July	..	..	..	..	..	1	2	Jan.	1	2	3	4	5	6	7	July	1	2	3	4	5	6	7
	3	4	5	6	7	8	9		8	9	10	11	12	13	14		8	9	10	11	12	13	14
	10	11	12	13	14	15	16		15	16	17	18	19	20	21		15	16	17	18	19	20	21
	17	18	19	20	21	22	23		22	23	24	25	26	27	28		22	23	24	25	26	27	28
	24	25	26	27	28	29	30		29	30	31	..	..	..	..		29	30	31	..	..	..	..
Aug.	..	1	2	3	4	5	6	Feb.	..	..	..	1	2	3	4	Aug.	..	..	..	1	2	3	4
	7	8	9	10	11	12	13		5	6	7	8	9	10	11		5	6	7	8	9	10	11
	14	15	16	17	18	19	20		12	13	14	15	16	17	18		12	13	14	15	16	17	18
	21	22	23	24	25	26	27		19	20	21	22	23	24	25		19	20	21	22	23	24	25
	28	29	30	31	..	..	..	Mar.	26	27	28	29	..	..	..		26	27	28	29	30	31	..
Sep.	..	..	..	..	1	2	3		..	..	..	..	1	2	3	Sep.	..	..	..	..	..	..	1
	4	5	6	7	8	9	10		4	5	6	7	8	9	10		2	3	4	5	6	7	8
	11	12	13	14	15	16	17		11	12	13	14	15	16	17		9	10	11	12	13	14	15
	18	19	20	21	22	23	24		18	19	20	21	22	23	24		16	17	18	19	20	21	22
	25	26	27	28	29	30	..		25	26	27	28	29	30	31		23	24	25	26	27	28	29
Oct.	..	..	..	..	..	1	..	Apr.	..	..	..	..	..	..	..		30	..	..	..	..	..	..
	2	3	4	5	6	7	8		1	2	3	4	5	6	7	Oct.	..	1	2	3	4	5	6
	9	10	11	12	13	14	15		8	9	10	11	12	13	14		7	8	9	10	11	12	13
	16	17	18	19	20	21	22		15	16	17	18	19	20	21		14	15	16	17	18	19	20
	23	24	25	26	27	28	29		22	23	24	25	26	27	28		21	22	23	24	25	26	27
	30	31	..	..	..	..	..	May	29	30	..	..	..	..	..		28	29	30	31	..	..	..
Nov.	..	..	1	2	3	4	5		..	..	1	2	3	4	5	Nov.	..	..	..	..	1	2	3
	6	7	8	9	10	11	12		6	7	8	9	10	11	12		4	5	6	7	8	9	10
	13	14	15	16	17	18	19		13	14	15	16	17	18	19		11	12	13	14	15	16	17
	20	21	22	23	24	25	26		20	21	22	23	24	25	26		18	19	20	21	22	23	24
	27	28	29	30	..	..	..	June	27	28	29	30	31	..	..		25	26	27	28	29	30	..
Dec.	..	..	..	1	2	3	..		..	..	..	..	1	2	..	Dec.	..	..	..	..	..	..	1
	4	5	6	7	8	9	10		3	4	5	6	7	8	9		2	3	4	5	6	7	8
	11	12	13	14	15	16	17		10	11	12	13	14	15	16		9	10	11	12	13	14	15
	18	19	20	21	22	23	24		17	18	19	20	21	22	23		16	17	18	19	20	21	22
	25	26	27	28	29	30	31		24	25	26	27	28	29	30		23	24	25	26	27	28	29
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COLLEGE CALENDAR FOR 1887-88

1887

- September 7,* *Wednesday.* Annual Meeting of the Corporation.
- September 21,* *Wednesday.* **Academic Year begins** (third Wednesday in September).
- November 24,* *Thursday.* Thanksgiving Day. No College exercises on Thursday, Friday or Saturday of Thanksgiving week.
- Christmas Holidays,** from Thursday evening, December 22, 1887, to Tuesday evening, January 3, 1888.

1888

- January 27- February 1,* *Friday to Wednesday.* Semi-Annual Examinations of College Classes.
- February 2,* *Thursday.* **Second Half-year Begins.**
- February 22,* *Wednesday.* Washington's Birthday. No College exercises.
- Spring Recess,** from Thursday evening, March 29, to Monday evening, April 9.
- May 14-19,* *Monday to Saturday.* Examinations of Senior Class.
- May 30,* *Wednesday.* Decoration Day. No College exercises.

<i>June 8-14,</i>	<i>Friday to Thursday.</i> Semi-Annual Examinations of College Classes.
<i>June 15,</i>	<i>Friday.</i> Class Day.
<i>June 17,</i>	<i>Sunday.</i> Baccalaureate Sermon.
<i>June 18,</i>	<i>Monday.</i> Sophomore Prize Declamation.
<i>June 19,</i>	<i>Tuesday.</i> Annual Meeting of the Phi Beta Kappa Society, at 9.30 A. M.
<i>June 19,</i>	<i>Tuesday.</i> Annual Alumni Meeting, in Manning Hall, at 4 P. M.
<i>June 20,</i>	<i>Wednesday.</i> One hundred and twentieth annual Commencement (third Wednes- day in June).
<i>June 21,</i>	<i>Thursday.</i> Meeting of the Corporation, in the Old Chapel, University Hall.
<i>June 21, 22, 23,</i>	<i>Thursday, Friday, Saturday.</i> Examinations for admission to College.
Summer Vacation.	
<i>September 5,</i>	<i>Wednesday.</i> Annual Meeting of the Corporation, in the Old Chapel, University Hall (first Wed- nesday in September).
<i>September 17, 18.</i>	<i>Monday, Tuesday.</i> Examinations of Delinquents in College studies.
<i>September 17, 18.</i>	<i>Monday, Tuesday.</i> Examinations for admission to College.
<i>September 19,</i>	<i>Wednesday.</i> Academic Year begins.

CORPORATION

BOARD OF FELLOWS

EZEKIEL G. ROBINSON, D. D., LL. D.,

PRESIDENT, Providence.

ALEXANDER DUNCAN, A. M., London, England.

† REV. ALVA WOODS, D. D., Providence.

REV. SAMUEL L. CALDWELL, D. D., LL. D., Providence.

REV. EDWARDS A. PARK, D. D., LL. D., Andover, Mass.

HON. CHARLES S. BRADLEY, LL. D., Providence.

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WILLIAM GAMMELL, LL. D., Providence.

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HON. ROWLAND G. HAZARD, LL. D., Peace Dale.

MERRICK LYON, LL. D., Providence.

† REV. HEMAN LINCOLN, D. D., Newton Centre, Mass.

† Deceased.

‡ Resigned.

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HON. THOMAS DURFEE, LL. D.,

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WILLIAM GODDARD, A. M., Providence.

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JOHN G. WHITTIER, LL. D., Amesbury, Mass.

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JOSEPH C. HARTSHORN, A. M., Newton Centre, Mass.

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ALBERT K. SMILEY, A. M., New Paltz, N. Y.

HON. ROWLAND HAZARD, A. M., Providence.

EDWIN M. SNOW, M. D., Providence.

† Deceased.

ARNOLD B. CHACE, A. M., Valley Falls.
HORATIO N. SLATER JR., A. M., Providence.
HON. ELIJAH B. STODDARD, A. M., Worcester, Mass.
REV. DANIEL LEACH, D. D., Providence.
RICHARD M. ATWATER, A. M., Millville, N. J.
HON. WILLIAM F. SAYLES, A. M., Pawtucket.
HON. CHARLES L. COLBY, B. P., Milwaukee, Wis.
REV. S. DRYDEN PHELPS, D. D., New Haven, Conn.
REV. EDWARD JUDSON, D. D., New York, N. Y.
HON. JOSEPH H. WALKER, Worcester, Mass.
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JOHN CARTER BROWN WOODS, A. M., LL. B., Providence.
MORTIMER H. HARTWELL, A. B., Providence.
HON. ANDREW J. JENNINGS, LL. B., Fall River, Mass.
HON. EUSTACE C. FITZ, Chelsea, Mass.

REV. SAMUEL L. CALDWELL, D. D., LL. D.,
SECRETARY OF THE CORPORATION, Providence.

ARNOLD B. CHACE, A. M.,
TREASURER, Valley Falls.

ADVISORY COMMITTEE OF THE ALUMNI

REUBEN A. GUILD, LL. D., Providence.
ALBERT HARKNESS, Ph. D., LL. D., Providence.
CHARLES B. GOFF, A. M., Providence.
FRANCIS A. GASKILL, A. M., Worcester, Mass.
ROBERT IVES GAMMELL, A. M., Providence.
WILLIAM T. PECK, A. M., Providence.
WILLIAM V. KELLEN, A. M., LL. B., Boston, Mass.

THE FACULTY

EZEKIEL GILMAN ROBINSON, D. D., LL. D.,
PRESIDENT,
Professor of Moral and Intellectual Philosophy,
72 College Street.

JOHN LARKIN LINCOLN, LL. D.,
Professor of the Latin Language and Literature,
58 Angell Street.

ALBERT HARKNESS, PH. D., LL. D.,
Professor of the Greek Language and Literature,
101 Prospect Street.

BENJAMIN FRANKLIN CLARKE, A. M.,
Professor of Mathematics and Civil Engineering,
91 Chestnut Street.

JOHN HOWARD APPLETON, A. M.,
Newport-Rogers Professor of Chemistry,
85 Angell Street.

TIMOTHY WHITING BANCROFT, A. M.,
Professor of Rhetoric and English Literature,
13 Greene Street.

ELI WHITNEY BLAKE, A. M.,
Hazard Professor of Physics.
72 Waterman Street.

* *Elton Professor of Natural Theology.*

JOHN WHIPPLE POTTER JENKS, A. M.,
Professor of Agricultural Zoölogy, and Curator of the Museum,
Middleborough, Mass.

* Instruction in Natural Theology is at present given by the PRESIDENT.

ALONZO WILLIAMS, A. M.,
Professor of Modern Languages,
10 Cushing Street.

WILLIAM CAREY POLAND, A. M.,
Assistant Professor of Latin and Greek,
7 Cooke Street.

ALPHEUS SPRING PACKARD, M. D., PH. D.,
Professor of Zoölogy and Geology,
115 Angell Street.

NATHANIEL FRENCH DAVIS, A. M.,
Assistant Professor of Mathematics,
156 Garfield Street.

WILLIAM WHITMAN BAILEY, B. P.,
Professor of Natural History (Botany), and Curator of the Herbaria,
6 Cushing Street.

REV. ELISHA BENJAMIN ANDREWS, D. D., LL. D.,
Professor of History and Political Economy,
45 South Angell Street.

WINSLOW UPTON, A. M.,
Professor of Astronomy,
98 Bowen Street.

CHARLES VALUE CHAPIN, M. D.,
Professor of Physiology,
22 Cabot Street.

HOWARD MALCOM TICKNOR, A. M.,
Instructor in Elocution,
Boston, Mass.

WILLIAM SHIELDS LISCOMB, A. M.,
Instructor in Rhetoric and Modern Languages,
180 Congdon Street.

OTIS EVERETT RANDALL, A. M.,
Instructor in Mathematics and Civil Engineering,
37 Beaufort Street.

CHARLES ALFRED POTTER,
Assistant Instructor in Analytical Chemistry,
Cranston.

GUGLIELMO D'ARCAIS,
Instructor in Modern Languages,
Butler Exchange, IV, 2½.

FRANK MELVILLE BRONSON, A. M.,
Instructor in Latin and Greek,
27 Lloyd Street.

OTHER COLLEGE OFFICERS

Librarian

REUBEN ALDRIDGE GUILD, LL. D.,
Residence, 34 Pratt Street; Office in the Library.

Assistant Librarian

JOHN MILTON BURNHAM, A. M.,
Address, the Library.

Registrar

GILMAN PARKER ROBINSON,
Residence, 72 College Street; Office, No. 2, University Hall.

Steward

ARCHIBALD GRANT DELANEY,
Residence, 32 Amy Street; Office, No. 7, University Hall.

THE STUDENTS

RESIDENT GRADUATES

CHARLES HOBEN DAY, A. B., Acadia College, 1886. Senior Studies.	}	Yarmouth, N. S.,	Hope, 26.
AUSTEN KENNEDY DEBLOIS, A. B., Acadia College, 1886. Philosophy.	}	Wolfville, N. S.,	University, 16.
GEORGE WILTON FIELD, A. B., Brown University, 1887. Zoölogy.	}	Brockton, Mass.,	Slater, 15.
THEODORE FRANCIS GREEN, A. B., Brown University, 1887. Mathematics.	}	Providence,	14 John Street.
GEORGE GRAFTON WILSON, A. B., Brown University, 1886. History and Political Economy.	}	Providence,	60 Chapin Ave.

UNDERGRADUATES

SENIOR CLASS

NAME	RESIDENCE	ROOM
Carl Hewes Abbott,	<i>Oakland, Cal.,</i>	105 Williams St.
William Franklin Arrington,	<i>Salem, Mass.,</i>	Hope, 16.
Clarence Augustus Barbour,	<i>Hartford, Conn.,</i>	University, 54.
Josiah Bartlett,	<i>Providence,</i>	Hope, 13.
Francis Joseph Belcher,	<i>Detroit, Mich.,</i>	Slater, 11.
Arthur Joy Bentley,	<i>Providence,</i>	290 Broadway.
Claus Alfrid Bergström,	<i>East Greenwich,</i>	East Greenwich.
Eli Whitney Blake Jr.,	<i>Providence,</i>	72 Waterman St.
George Samson Brown,	<i>Providence,</i>	38 Angell St.
Ernest Henry Brownell,	<i>Bristol,</i>	91 Westminster St.
Francis Herbert Brownell,	<i>Little Compton,</i>	University, 43.
Winthrop White Brownell,	<i>Providence,</i>	195 Benefit St.
Clayton Platt Brunsen,	<i>Bristol,</i>	Slater, 2.
Charles Kemble Chambers,	<i>Mount Holly, N. J.,</i>	Slater, 14.
Albert Burke Cook,	<i>Providence,</i>	144 Angell St.
Charles Doughty Cooke,	<i>Paterson, N. J.,</i>	University, 43.
William Henry Craig,	<i>Gibbon, Neb.,</i>	Hope, 25.
James Floyd Denison,	<i>Sheboygan Falls, Wis.,</i>	Hope, 24.
Charles Edward Dennis Jr.,	<i>Providence,</i>	10 Willow St.
Edwin King Dexter,	<i>Sharon, Vt.,</i>	University, 13.
‡ John Wesley Gilbert,	<i>Augusta, Ga.,</i>	Hope, 45.

‡ Not fully examined. So on the following pages.

NAME	RESIDENCE	ROOM
Clarence Grant Hamilton,	<i>Providence,</i>	66 Federal St.
Frederick Augustus Harris,	<i>Providence,</i>	140 Prospect St.
Morris William House,	<i>Providence,</i>	134 Bridgham St.
‡ John Fred Humes,	<i>West Sutton, Mass.,</i>	Hope, 16.
John Powell Hunter,	<i>Philadelphia, Pa.,</i>	Hope, 15.
Arthur Pliny Johnson,	<i>East Providence,</i>	East Providence.
Alexander Marshall Jr.,	<i>Ashton,</i>	Ashton.
Charles Franklin Medbury,	<i>Foxborough, Mass.,</i>	University, 48.
Henry Winn Pinkham,	<i>Thompson, Conn.,</i>	Hope, 38.
John Cornelius Quinn,	<i>Providence,</i>	374 Wickenden St.
Louis Childs Sanford,	<i>Bristol,</i>	University, 32.
Walter Burges Smith,	<i>Providence,*</i>	116 Benevolent St.
Robert Rennie Taft,	<i>Pawtuxet,</i>	2 Prospect St.
Arthur Eugene Watson,	<i>Waltham, Mass.,</i>	University, 48.
Fred Earle Whitaker,	<i>Woonsocket,</i>	Hope, 28.
William Allen Wilbur,	<i>Mystic River, Conn.,</i>	University, 54.
Erving Yale Woolley,	<i>Pawtucket,</i>	Pawtucket.
Clarence Whitford Young,	<i>Ottawa, Ks.,</i>	Hope, 25.

Select Course

Harry Sedgwick Hathaway,	<i>Providence,</i>	118 Elmwood Ave.
Albert Josiah Read,	<i>Pawtucket,</i>	Hope, 4.
Edward French Thompson,	<i>Fall River, Mass.,</i>	Hope, 6.
Richard King Wickett,	<i>Providence,</i>	16 Susan St.

JUNIOR CLASS

NAME	RESIDENCE	ROOM
Earl Newton Adams,	<i>Moravia, N. Y.,</i>	Hope, 29.
Francis Wayland Ayer,	<i>Providence,</i>	Hope, 17.
Henry Ames Barker,	<i>Providence,</i>	Hope, 19.
‡ William Henry Barnard,	<i>Centredale,</i>	University, 44.
Arthur Ellis Barrows,	<i>Providence,</i>	113 Bridgham St.
Bertram Sinclair Blaisdell,	<i>Providence,</i>	435 Potter's Ave.
‡ Hugh Alphonsus Bradley,	<i>Providence,</i>	60 Althea St.
Frederick Huntington Briggs,	<i>Boston, Mass.,</i>	University, 27.
Francis Burdick,	<i>Newport,</i>	Slater, 9.
Frank Williams Carpenter,	<i>Attleborough, Mass.,</i>	University, 52.
Frederic Everett Carpenter,	<i>Ashton,</i>	Ashton.
Louis St. Clair Colby,	<i>Orange, N. J.,</i>	Slater, 6.
Arthur Cushing,	<i>North Providence,</i>	Hope, 20.
William Brecke Deane,	<i>Ogdensburg, N. Y.,</i>	University, 22.
Charles Arthur Denfeld,	<i>Westborough, Mass.,</i>	University, 55.
Charles Farnsworth,	<i>Norwich, Conn.,</i>	Slater, 1.
Archibald Angus Freeman,	<i>Cortland, N. Y.,</i>	University, 9.
Sylvanus Everett Frohock,	<i>Warwick,</i>	Hope, 32.
Reginald Spinks Fyfe,	<i>Salem, Ill.,</i>	Hope, 32.
William Howatt Gardner,	<i>New Brunswick, N. J.,</i>	Hope, 41.
John Goudie Gordon,	<i>Lowell, Mass.,</i>	Hope, 6.
George Preston Grant Jr.,	<i>Central Falls,</i>	University, 52.
Lauriston Hartwell Hazard,	<i>Providence,</i>	47 George St.
Ralph Wentworth Jackson,	<i>Fall River, Mass.</i>	Slater, 20.

NAME	RESIDENCE	ROOM
‡ Ernest Potter Jenks,	<i>No. Brookfield, Mass.,</i>	University, 41.
Prescott Ford Jernegan,	<i>Edgartown, Mass.,</i>	Hope, 12.
George Farquah Jones King,	<i>Providence,</i>	43 Waterman St.
William Gilbert Lathrop,	<i>Providence,</i>	17 Angell St.
Harry Plummer Lovewell,	<i>Providence,</i>	117 Pearl St.
Edward Payson Manning,	<i>Raynham, Mass.,</i>	Slater, 19.
Francis Heber Mansfield,	<i>Taunton, Mass.,</i>	Hope, 37.
Richard Runyon Martin,	<i>Kingston, N. Y.,</i>	98 Bowen St.
Robert Lewis Preston Mason,	<i>Providence,</i>	70 Congdon St.
George Packard,	<i>Providence,</i>	16 Camp St.
Henry Fenno Parker,	<i>Brockton, Mass.,</i>	Slater, 20.
Herbert Ware Parmenter,	<i>Providence,</i>	Hope, 23.
William Samuel Pease,	<i>Providence,</i>	29 Benevolent St.
Carl Copping Plehn,	<i>Providence,</i>	127 Pleasant St.
George Porter,	<i>Bridgeport, Conn.,</i>	Slater, 5.
Edward Harris Rathbun,	<i>Woonsocket,</i>	Slater, 3.
Herbert Ambrose Rice,	<i>Pawtucket,</i>	Pawtucket.
Edward Thompson Root,	<i>Providence,</i>	University, 41.
Frederick Wescott Sarle,	<i>Warwick,</i>	Hope, 34.
Dennis Harvey Sheahan,	<i>Providence,</i>	138 Veazie St.
Newton Mercer Simmonds,	<i>Taunton, Mass.,</i>	University, 31.
Warren Seabury Simmons Jr.,	<i>Providence,</i>	Slater, 1.
Frank Austin Smith,	<i>Brooklyn, N. Y.,</i>	University, 21.
Ernest Gilbert Smith,	<i>Binghamton, N. Y.,</i>	Hope, 29.
Perry Dinsmore Smith,	<i>Providence,</i>	13 Sutton St.
David Grant Smyth,	<i>Northwood, N. H.,</i>	University, 31.
Vernon Purinton Squires,	<i>Cortland, N. Y.,</i>	University, 9.
Augustus Taber Swift,	<i>New Bedford, Mass.,</i>	University, 44.
George Eddy Warren,	<i>Newton Centre, Mass.,</i>	Slater, 7.

NAME	RESIDENCE	ROOM
Arthur Lincoln Wheeler,	<i>Concord, Mass.,</i>	University, 60.
Joseph Caldwell Whipple,	<i>Malden, Mass.,</i>	University, 53.
Frank Harlow Wildes,	<i>Providence,</i>	Hope, 19.
Appleton Park Williams,	<i>Providence,</i>	179 Angell St.
John Parker Williams,	<i>Chester, Vt.,</i>	University, 44.
Nathan Manchester Wright,	<i>Johnston,</i>	Johnston.

Select Course

Oliver Sargent Ayer,	<i>Providence,</i>	Hope, 17.
Walter Perley Hall,	<i>Worcester, Mass.,</i>	Slater, 14.
Charles Grant Hartsock,	<i>Lawrence, Ind.,</i>	Hope, 39.
Charles Goodrich King,	<i>Providence,</i>	43 Waterman St.
George Raynesford Macleod,	<i>East Providence,</i>	University, 32.

SOPHOMORE CLASS

NAME	RESIDENCE	ROOM
John Lincoln Alger,	<i>Bellows Falls, Vt.,</i>	Hope, 14.
Frank Appleton,	<i>Providence,</i>	Hope, 10.
Alfred Paley Bond,	<i>Wethersfield, Conn.,</i>	Hope, 7.
Alexander Phœnix Bourne,	<i>Barrington Centre,</i>	Hope, 8.
Thomas Edwin Brown Jr.,	<i>Providence,</i>	38 Angell St.
Martin Salisbury Budlong,	<i>Providence,</i>	142 High St.
Joseph Edmund Bullen,	<i>Pawtucket,</i>	Pawtucket.
Fred Wilson Carrier,	<i>Glastonbury, Conn.,</i>	Hope, 7.
Hamilton Edgar Chapman,	<i>Pendleton Hill, Conn.,</i>	Hope, 9.
‡ Bela Carlyle Clapp,	<i>Pawtucket,</i>	Pawtucket.
Henry Williams Cooke,	<i>Providence,</i>	University, 34.
James Quayle Dealey,	<i>Galveston, Tex.,</i>	Hope, 14.
William Holden Eddy,	<i>Providence,</i>	Hope, 18.
Edgar Eldredge,	<i>Ottawa, Ill.,</i>	Slater, 19.
William Grosvenor Ely Jr.,	<i>Norwich, Conn.,</i>	University, 18.
Charles Henry Forbes,	<i>Providence,</i>	Hope, 18.
Edgar Benjamin French,	<i>Pawtucket,</i>	Pawtucket.
Edwin Collins Frost,	<i>Providence,</i>	124 Smith St.
Harry Linwood Grant,	<i>Providence,</i>	23 Arch St.
William Thomas Green,	<i>Fall River, Mass.,</i>	Slater, 18.
Frederick Taft Guild,	<i>Providence,</i>	10 Pitman St.
Charles Lee Anthony Heiser,	<i>Providence,</i>	University, 19.
Lincoln Crawford Heywood,	<i>Pawtucket,</i>	Pawtucket.
Elmer Fremont Higgins,	<i>West Boylston, Mass.,</i>	University, 30.

NAME	RESIDENCE	ROOM
Dennis Joseph Holland,	<i>Providence,</i>	50 Crary St.
Frederick Howard Hovey,	<i>Newton Centre, Mass.,</i>	Slater, 7.
Daniel Sanford Jenks,	<i>Pawtucket,</i>	Hope, 7.
Alfred Scott Johnson,	<i>East Providence,</i>	East Providence.
Joseph Mary Killelea,	<i>Ottawa, Ill.,</i>	135 Gano St.
Albert Eugene Kingsley,	<i>Poquonoc Bridge, Conn.,</i>	Hope, 9.
Charles Fisk McKenzie,	<i>Winchester, Mass.,</i>	University, 8.
James McLaughlin,	<i>Danielsonville, Conn.,</i>	Hope, 41.
Fred Oscar Merrifield,	<i>Ottawa, Ill.,</i>	University, 50.
Walter Nelson Morse,	<i>Putnam, Conn.,</i>	29 Benevolent St.
Eugene Calvin Myrick,	<i>Providence,</i>	95 Providence St.
Lyman Churchill Newell,	<i>Pawtucket,</i>	Slater, 16.
Tracey Lansing Newton,	<i>Oakdale, Mass.,</i>	Hope, 22.
George Lewis Collins Ormsbee,	<i>Providence,</i>	129 Waterman St.
Augustus Stanton Owen,	<i>Lake Village, N. H.,</i>	Hope, 10.
Henry Robinson Palmer,	<i>Stonington, Conn.,</i>	University, 12.
Eugene Ashton Perry,	<i>Brockton, Mass.,</i>	Hope, 8.
James Benton Porter,	<i>Bridgeport, Conn.,</i>	Slater, 5.
Edward Everett Potter,	<i>Auburn,</i>	Auburn.
Walter Ackman Presbrey,	<i>Providence,</i>	71 Broadway.
Frederick Miller Rhodes,	<i>Providence,</i>	75 Chestnut St.
Frederic Moseley Sackett Jr.,	<i>Providence,</i>	15 Greene St.
Frederic Washburne Sanford,	<i>Bristol,</i>	University, 32.
Charles Aaron Sawyer,	<i>Ellenburgh, N. Y.,</i>	University, 40.
Frank Arthur Sayles,	<i>Pawtucket,</i>	University, 19.
‡ Charles Humphrey Sisson,	<i>Watertown, N. Y.,</i>	Hope, 30.
Arthur Warren Smith,	<i>Providence,</i>	Hope, 12.
Charles Francis Smith,	<i>Jamestown, N. Y.,</i>	Slater, 11.
Edward Clinton Stiness,	<i>Pawtucket,</i>	University, 33.
Frederick Emerson Stockwell,	<i>Providence,</i>	20 Cooke St.

NAME	RESIDENCE	ROOM
James Freebody Thompson,	<i>Providence,</i>	100 Chestnut St.
Clifford Sayles Tower,	<i>Providence,</i>	115 Clifford St.
Carl Efferenn Tucker,	<i>Lockport, N. Y.,</i>	Hope, 23.
Irving Everett Walker,	<i>Westborough, Mass.,</i>	University, 55.
Herman William Wätjen,	<i>Manchester, N. H.,</i>	Hope, 31.
George Heber Webb,	<i>Providence,</i>	University, 33.
Frank Thomas Westcott,	<i>Hopedale, Mass.,</i>	79 Almy St.
Elliot Farnsworth White,	<i>Brooklyn, N. Y.,</i>	University, 25.
James Alexander Williams,	<i>Allendale, S. C.,</i>	University, 30.
Lemuel Butler Wilmarth,	<i>Upton, Mass.,</i>	281 Pine St.
Walter Harris Young,	<i>Elwood, Ill.,</i>	Hope, 39.

Select Course

George John Bloomfield,	<i>Pawtucket,</i>	University, 25.
Jerome Bonaparte Greene Jr.,	<i>Bristol,</i>	Slater, 18.
Seth Padelford Remington,	<i>Providence,</i>	20 Brown St.
Brown Esek Smith,	<i>Providence,</i>	406 Cranston St.
Ralph Keyes Swett,	<i>Winchester, Mass.,</i>	University, 8.

FRESHMAN CLASS

NAME	RESIDENCE	ROOM
Joseph Nickerson Ashton,	<i>Salem, Mass.,</i>	University, 40.
John Baptiste Barbour,	<i>Hartford, Conn.,</i>	76 Doyle Ave.
William Hadley Barron Jr.,	<i>Providence,</i>	146 Cranston St.
Edwin Armington Barrows,	<i>Providence,</i>	38 Olive St.
Edward Otis Bartlett Jr.,	<i>Providence,</i>	Hope, 13.
Arthur Loring Beals,	<i>Brockton, Mass.,</i>	Slater, 15.
Edward Bailey Birge,	<i>Providence,</i>	100 Lippitt St.
Charles Henry Brown,	<i>New London, N. H.,</i>	Hope, 31.
Charles Davis Burrows,	<i>Providence,</i>	38 Somerset St.
Augustus Woodbury Calder,	<i>Providence,</i>	University, 34.
Alexander Duncan Chapin Jr.,	<i>Providence,</i>	68 George St.
Arthur Hutchins Colby,	<i>Orange, N. J.,</i>	Slater, 6.
Stephen Sheldon Colvin,	<i>River Point,</i>	Slater, 12.
Chester Aquilla Cook,	<i>Woonsocket,</i>	University, 16.
Arthur Barstow Cooke,	<i>Providence,</i>	60 Bowen St.
Edwin Grant Dexter,	<i>Worcester, Mass.,</i>	Slater, 12.
Herbert Luther Dunn,	<i>Providence,</i>	21 Dover St.
Seeber Edwards,	<i>Fultonville, N. Y.,</i>	Slater, 8.
Samuel Andrews Everett,	<i>Meredith, N. H.,</i>	Hope, 38.
Martin Smith Fanning,	<i>Providence,</i>	Slater, 13.
George Hooper Ferris,	<i>Milwaukee, Wis.,</i>	Hope, 24.
Francis Edgar George,	<i>Franklin, Mass.,</i>	49 Weybosset St.
James Martin Gillrain,	<i>Providence,</i>	3 Murphy St.
Merrick Lyon Goff,	<i>Providence,</i>	83 Manning St.
Frederic Albert Greene,	<i>North Providence,</i>	Hope, 20.
John Francis Greene,	<i>Seekonk, Mass.,</i>	Seekonk.

NAME	RESIDENCE	ROOM
James Jardine Henderson,	<i>Providence,</i>	Hope, 3.
Ernest Abbott Hicks,	<i>Providence,</i>	500 High St.
Winthrop Drown Hilton,	<i>Providence,</i>	71 Adelaide Ave.
Frank Leonard Hineckley,	<i>Providence,</i>	89 Waterman St.
George James Holden,	<i>Chester, Vt.,</i>	University, 13.
William Henry Hopkins,	<i>Providence,</i>	188 Greenwich St.
Elbert Orville Hull,	<i>Monroe, Conn.,</i>	Hope, 27.
Walter Kendall Jewett,	<i>Fitchburg, Mass.,</i>	13 Humboldt Ave.
Albert Bushnell Johnson,	<i>Cranston,</i>	Cranston.
Ernest Henry Johnson,	<i>East Providence,</i>	East Providence.
Arthur Wellesley Joyce,	<i>Providence,</i>	39 Bridgham St.
Edward Stephen Kiley,	<i>Providence,</i>	104 Dahlia St.
Charles Edward Knowles,	<i>New York, N. Y.,</i>	University, 59.
Frank Dyer Lisle,	<i>Providence,</i>	University, 58.
Albert Morton Lythgoe,	<i>Providence,</i>	Slater, 13.
Thomas Francis McDonnell,	<i>Wickford,</i>	University, 58.
Geo. Douglas Robertson McGregor,	<i>Pawtucket,</i>	University, 28.
William Victor McGuire,	<i>Mystic Bridge, Conn.,</i>	Power St., c. Wells.
Charles Albert Meader,	<i>Pawtucket,</i>	Slater, 16.
Abram Cyrus Mendenhall,	<i>Greensborough, N. C.,</i>	University, 10.
Morris Lewis Messer,	<i>S. Charlestown, N. H.,</i>	University, 57.
Robert Stanberry Olney,	<i>Cherry Valley, Mass.,</i>	University, 51.
William Howard Paine,	<i>Providence,</i>	University, 27.
Albert DeForrest Palmer,	<i>Middlebury, Vt.,</i>	Hope, 36.
Walter John Peacock,	<i>Worcester, Mass.,</i>	Slater, 10.
Charles Manchester Perry,	<i>Providence,</i>	Swan Point Road.
William Benjamin Perry Jr.,	<i>Lakeville, Conn.,</i>	4 Europe St.
Nillo Griswold Proctor,	<i>Townsend Harbor, Mass.,</i>	Slater, 10.
Edwin Clark Reynolds,	<i>North Providence,</i>	Hope, 36.
Gerald Birney Smith,	<i>Middlefield, Mass.,</i>	Slater, 8.

NAME	RESIDENCE	ROOM
Francis Henry Spear,	<i>Providence,</i>	96 Swan St.
Henry Joshua Spooner Jr.,	<i>Providence,</i>	3 Humboldt Ave.
Ferdinand Dutton Stidham,	<i>New Britain, Conn.,</i>	Hope, 15.
Walter Lincoln Stone,	<i>Providence,</i>	15 Bacon St.
Robert Wendell Taft,	<i>Providence,</i>	79 Waterman St.
Alfred Simpson Taylor,	<i>Pawtucket,</i>	Pawtucket.
Leo Boone Thomas,	<i>Brooklyn, N. Y.,</i>	University, 57.
George Walker,	<i>Worcester, Mass.,</i>	Slater, 4.
John Edward Weeden 2d,	<i>Providence,</i>	University, 47.
William Raymer Weeden,	<i>Providence,</i>	University, 47.
James Lucas Wheaton Jr.,	<i>Pawtucket,</i>	University, 28.
Elmer Almy Wilcox,	<i>Providence,</i>	56 Messer St.
Edgar Lincoln Willard,	<i>Leominster, Mass.,</i>	Hope, 27.
‡ Frank Edward Winsor,	<i>Lincoln,</i>	Hope, 46.

Select Course

Thomas Alexander Ball,	<i>Berkeley,</i>	Berkeley.
Stuart Auchincloss Coats,	<i>Providence,</i>	43 Williams St.
Walter Hutchinson Cole,	<i>Woonsocket,</i>	Slater, 3.
Clarence Clarendon Converse,	<i>Erie, Pa.,</i>	Narragansett Hotel.
Wallace Wadsworth Gushee,	<i>Taunton, Mass.,</i>	Hope, 46.
John William Heisman,	<i>Titusville, Pa.,</i>	Hope, 35.
Henry Lawrence Sanford,	<i>Erie, Pa.,</i>	Narragansett Hotel.
Walter Mills Saunders,	<i>Johnston,</i>	Johnston.

S U M M A R Y

Resident Graduates	5	Sophomores	70
Seniors	43	Freshmen	78
Juniors	64		
		Total	260

CONDITIONS OF ADMISSION TO COLLEGE

The regular examinations for admission to the FRESHMAN CLASS will take place on Thursday, Friday and Saturday of Commencement week, June 21, 22 and 23, 1888, beginning at 8 o'clock, A. M., on Thursday. *Candidates must be in attendance during the three days.*

These examinations will be held in the South Room of Rhode Island Hall, *where all the candidates are to assemble on Thursday, at 8 A. M., to be registered.*

The order of the examinations will be:

THURSDAY, JUNE 21.

Mathematics, from 8.15 A. M. to 12.30 P. M.

Latin, from 2.30 to 6 P. M.

FRIDAY, JUNE 22.

Greek, from 9 A. M. to 12.30 P. M.

French, from 3 to 5 P. M.

SATURDAY, JUNE 23.

English, from 9 to 11 A. M.

There will be, as follows, a second examination in each of the above branches, on Monday and Tuesday, September 17 and 18, 1888. *Applicants must be in attendance on both days.*

MONDAY, SEPTEMBER 17.

French, North Room, R. I. Hall, from 9 to 11 A. M.

English, South Room, R. I. Hall, from 11.30 A. M. to 1 P. M.

Mathematics, North Room, R. I. Hall, from 2 to 6 P. M.

TUESDAY, SEPTEMBER 18.

Latin, North Room, R. I. Hall, from 8 to 10.30 A. M.

Greek, South Room, R. I. Hall, from 11 A. M. to 1.30 P. M.

For admission to ADVANCED STANDING, candidates not from other colleges must be examined in the studies already pursued by the respective classes which they propose to enter. These examinations will be held in Rhode Island Hall, also on Monday and Tuesday, September 17 and 18.

No student can be admitted as a candidate for matriculation, unless he bring suitable testimonials of good moral character. If from another college, he must also present a certificate of his rank in the college which he has left, and of regular dismissal from it.

For the Courses for the Degree of Bachelor of Arts

Candidates for admission to the Freshman Class are examined in the following subjects; but real equivalents will be received for any of the Latin or Greek works mentioned:

I, Greek. 1 Greek Grammar (Hadley's is preferred). 2 The Syntax and Greek Selections in Harkness's First Greek Book, or an equivalent from any other Greek Reader. 3 The whole of Xenophon's Anabasis, or *five* books of the Anabasis and *two* books of Homer; the Odyssey is preferred. 4 The

first *twenty* exercises of Arnold's Greek Prose Composition, or the first *twenty-five* exercises of Jones's Greek Prose Composition. 5 The general history of Greece to the death of Alexander.

NOTE—In place of the examination in five books of the Anabasis and two of Homer, candidates may, at their option, substitute an examination in translating at sight passages of ordinary difficulty from the works of Xenophon and from Homer. Candidates thus examined will be supplied with a vocabulary of the less usual words.

II, Latin. 1 Cæsar, *Gallic War*, books I-IV, or books I-III, and Sallust's *Catiline*, with questions on the subject-matter and on grammar. 2 Ovid, twenty-five hundred lines (Lincoln's edition). 3 Cicero, the *Orations against Catiline*, and the *Oration for Archias*, with questions, as on Cæsar. 4 Vergil, *Aeneid*, books I-VI, or *Aeneid*, books I-V, and the *Eclogues*, with questions on the subject-matter and on prosody. 5 Translation, at sight, of ordinary passages from Cæsar, Cicero's *Orations*, Vergil's *Aeneid* and Ovid's *Metamorphoses*, with questions on grammar, prosody, history and antiquities, suggested by the passages assigned. 6 Translation into Latin of simple English sentences. 7 Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose. 8 Outlines of Roman Geography, and of Roman History to the end of the reign of Marcus Aurelius. It is recommended that pupils be accustomed, from the beginning of their preparatory course, to translate into Latin, both orally and in writing, passages prepared by the teachers on the basis of the prose authors read.

In pronouncing Latin, it is recommended that *ā* be pronounced as in *father*, *ǣ* as the first *a* in *apart*; *ē* as in *prey*, *ē* as in *men*; *ī* as in *machine*, *ī* as in *pity*; *ō* as in *old*, *ō* as in *nor*; *ū* as in *rule*, *ū* as in *put*; *j* as *y* in *yard*; *c* always as *k* in *king*; *g* always as *g* in *get*.

III, Mathematics. 1 Arithmetic, including the Metric System of Weights and Measures. 2 Algebra, through Equations of the Second Degree, including Arithmetical and Geometrical Progression and the use of the Binomial Formula. 3 Plane Geometry.

IV, English Composition. Candidates will each be required to write a brief composition upon a subject assigned at the time of examination. These compositions must be correct in expression and division into paragraphs, as well as in grammar, punctuation and spelling.

In 1888 the subject will be taken from one of the following works: Shakspeare's Julius Cæsar and Twelfth Night; Johnson's Lives of Addison and Pope; Thackeray's English Humorists; A. Dobson's Eighteenth Century Essays; Pope's Essay on Criticism and Rape of the Lock; Miss Austen's Pride and Prejudice; Irving's Bracebridge Hall.

Candidates are expected to be familiar with all the above works.

Specimens of incorrect English will also be assigned for correction.

In 1889 the list will be: Shakspeare's Julius Cæsar and As You Like It; Johnson's Lives of Swift and Gray; Thackeray's English Humorists; Gray's Elegy written in a Country Churchyard; Miss Austen's Pride and Prejudice; Scott's Rob Roy and Marmion.

For 1890, Shakspeare's Julius Cæsar and Midsummer Night's Dream; Macaulay's Life of Johnson and Essay on Boswell's Life of Johnson; Carlyle's Essay on Boswell's Life of Johnson; Johnson's Vanity of Human Wishes; Goldsmith's Vicar of Wakefield and Deserted Village; A. Dobson's Eighteenth Century Essays; Macaulay's Lays of Ancient Rome.

V, French. 1. Part I of Whitney's Grammar. 2 Bôcher's Otto's Reader, fifty pages. Real equivalents will be accepted. An additional examination is offered to candidates desiring to enter the advanced Division of the Freshman Class.

Teachers are requested not to read with their classes the works read in College. Special attention should be given to pronunciation.

Preliminary Examinations

In the Preparatory studies named below, candidates may be examined one year before the time at which they intend to apply for admission to the Freshman Class. These examinations will occur, for 1888, on Thursday and Friday, June 21 and 22, *and then only*. They will be held in the *Chemical Lecture Room*, and in the following order:

THURSDAY, JUNE 21.

Arithmetic, from 8 to 10.30 A. M.

Latin, from 2.30 to 5.30 P. M.

FRIDAY, JUNE 22.

Greek, from 9 A. M. to 12 M.

The subjects will be:

I, In Greek

- 1 Greek Grammar (Hadley's is preferred).
- 2 The Syntax and Greek selections in Harkness's First Greek Book, or an equivalent from any other Greek Reader.
- 3 Three books of Xenophon's Anabasis.

II, In Latin

- 1 Latin Grammar (Harkness's is preferred).
- 2 Cæsar, or Cæsar and Sallust, as on page 27.
- 3 Translation into Latin of simple sentences.
- 4 Ovid, or Cicero, or Vergil, as on page 27.

III, In Mathematics

Arithmetic, including the Metric System of Weights and Measures.

For the Courses for the Degree of Bachelor of Philosophy

Courses of instruction for this degree, as for that of Bachelor of Arts, embrace four years. Here certain studies are elective from the beginning, offering to candidates two main courses, one including classical studies, the other omitting these and presenting a larger number of mathematical and scientific studies. Both courses are susceptible of ample variation through election.

Candidates for admission to a course including *Greek* are examined in all the Greek subjects specified on pages 26 and 27. They are also examined in all the subjects in the list below.

Candidates for admission to a course including *Latin* are examined in all the Latin subjects specified on page 27. They are also examined in all the subjects, except the Latin, in the list below.

Candidates for admission to a course *omitting* classical studies are examined in the following subjects :

I, Latin

Five books of Cæsar, or its equivalent in Cicero or in Vergil.

II, Mathematics

1 Arithmetic, including the Metric System of Weights and Measures. 2 Algebra, through Equations of the Second Degree, including Arithmetical and Geometrical Progression and the use of the Binomial Formula. 3 Plane Geometry.

III, English

Candidates will each be required to write a brief composition upon a subject assigned at the time of examination. These compositions must be correct in expression and division into paragraphs, as well as in grammar, punctuation and spelling.

In 1888, the subject will be taken from one of the following works : Shakspeare's Julius Cæsar and Twelfth Night; Johnson's Lives of Addison and Pope; Thackeray's English Humorists; A. Dobson's Eighteenth Century Essays; Pope's Essay on Criticism and Rape of the Lock; Miss Austen's Pride and Prejudice; Irving's Bracebridge Hall.

Candidates are expected to be familiar with all the above works.

Specimens of incorrect English will also be assigned for correction.

For the subjects for 1889 and 1890, see page 28.

IV, French

1 Part I of Whitney's Grammar. 2 Bôcher's Otto's Reader, fifty pages. Real equivalents will be accepted. An additional examination is offered to candidates desiring to enter the advanced Division of the Freshman Class.

Teachers are requested not to read with their classes the works read in College. Special attention should be given to pronunciation.

SELECT COURSES

A student may pursue a select course without becoming a candidate for a degree. Each course of this kind must have the approval of the Faculty, and except in special cases, require attendance in the class-room of at least sixteen hours per week. The candidate must be examined in the subjects preliminary to the studies which he proposes to pursue.

COURSES OF INSTRUCTION

FIRST, FOR THE DEGREE OF BACHELOR
OF ARTS

FRESHMAN CLASS

First Half-Year

- 1 *Greek.* Felton's Greek Historians, Fernald's edition. Greek Composition. Smith's History of Greece. *Four hours a week.*
- 2 *Latin.* Cicero, *De Senectute* and *De Amicitia*. Selections from Cicero's Epistles. Latin Composition. *Four hours a week.*
- 3 *Mathematics.* Geometry, Solid and Spherical. Plane Trigonometry. *Six hours a week.*
- 4 *French.* First Division. (1) The *Athalie* of Racine will be read in the class. (2) Examinations will be held upon the *Esther*, *Iphigénie* and *Phèdre* of Racine. Second Division. (1) Three books of the *Télémaque* of Fénelon will be read in the class. (2) Examinations will be held upon three additional books of *Télémaque*. Williams's *Subjunctive Mood* (both Divisions). *Two hours a week.*

Second Half-Year

- 1 *Greek.* Homer's Iliad. Greek Composition. *Four hours a week.*
- 2 *Latin.* Livy (Lincoln's Selections), Books I, II, XXI, XXII. Roman History. Latin Composition. *Four hours a week.*

- 3 *Mathematics.* Spherical Trigonometry. Algebra. *Six hours a week.*
- 4 *French.* First Division. (1) The *Horace* of Corneille will be read in the class. (2) Examinations will be held upon the *Cid*, *Cinna* and *Polyeucte* of Corneille. Second Division. (1) The *Horace* of Corneille will be read in the class. (2) Examination will be held upon the *Cid*. *Two hours a week.*

SOPHOMORE CLASS

First Half-Year

- 1 *Greek.* Demosthenes, Public Orations. *Three hours a week.*
- 2 *Latin.* Horace (Lincoln's edition). Latin Composition. *Three hours a week.*
- 3 *Rhetoric.* Bancroft's Method of English Composition. A. S. Hill's Principles of Rhetoric. Essays. Principal Books of Reference: Campbell's Philosophy of Rhetoric, Whately's Elements of Rhetoric, Hunt's Principles of Written Discourse and D. J. Hill's Science of Rhetoric. *Two hours a week.*
- 4 *Elocution.* Lectures and Exercises. Principal Works of Reference: Rush on the Voice; Murdoch and Russell's Vocal Culture; The Speaking Voice, Hullah; Throat and Voice, Cohen. *Once a week.*
- 5 *Physiology.* Lectures. Books of Reference: in Anatomy, Quain and Gray; in Physiology, Dalton, Flint and Foster; in Hygiene, Buck. *Three hours a week.*
- 6 Two of the following elective studies:*
- (1) *Mathematics.* Analytical Geometry. *Two hours a week.*
- (2) *German.* Whitney's Brief Grammar. Exercises in German Composition. Practice in German Conversation. Joynes's Reader. *Two hours a week.*

*Choice of electives both here and in the following years is subject to the schedule of recitations. Studies elected at this point must be pursued through the year.

(3) *French.* Molière. *Two hours a week.*

(4) *Botany.* *Two hours a week.*

Second Half-Year

1 *Greek.* Sophocles. Lectures. *Three hours a week.*

2 *Latin.* The *Agricola* and the *Germania* of Tacitus. Pliny's Letters.

Latin Composition. *Three hours a week.*

3 *Rhetoric.* A. S. Hill's Principles of Rhetoric. Rhetorical Study of Macaulay's Essay on Milton. Essays. *Two hours a week.*

4 *Elocution.* Lectures and Exercises, with Declamations. For reference, Bacon's Manual of Gesture. *One hour a week.*

5 *Mechanics.* *Three hours a week.*

6 Two of the following elective studies:

(1) *Mathematics.* Analytical Geometry. *Two hours a week.*

(2) *German.* Advanced Grammar. Exercises in German Composition. Practice in German Conversation.
Der Zerbrochene Krug of Zschöke, *Eigensinn* of Benedix. *Two hours a week.*

(3) *French.* Modern Authors. *Two hours a week.*

(4) *Botany.* Lectures and field excursions. *Two hours a week.*

JUNIOR CLASS

First Half-Year

1 *Rhetoric.* (1) Historical Outlines of the English Language. Manual of English Literature, with Study of Early English. (2) English Literature from the Fifth to the Seventeenth century. Principal authors referred to: in Language, Müller, Whitney and Sayce; in Literature, Taine, Ward and Morley. *Four hours a week.* Essays and Orations, *Saturdays.*

2 *Elocution.* Private rehearsals of Orations.

3 *Chemistry.* The subject is presented under four sub-divisions: Descriptive, Experimental, and Theoretical Chemistry, and Stoichiometry. Instruction is given by text-books and by lectures. The lectures

are illustrated by experiments and colored charts and by black-board exercises. Books of Reference: Fownes's Chemistry, Roscoe and Schorlemmer's Chemistry, Cooke's Chemical Philosophy. *Three hours a week.*

- 4 *Physics.* Lectures, illustrated by experiments, also Recitations, both in writing and oral. Books of Reference: Atkinson's Ganot, Deschanel's Natural Philosophy, Silliman's Physics. *Five hours a week.*
- 5 A sufficient number of the following elective courses to make up *four or five hours a week:*
- (1) *Greek.* Euripides. *Two hours.*
 - (2) *Latin.* Horace's *Ars Poetica*, and Selections from his Epistles. *Two hours.*
 - (3) *Mathematics.* Differential Calculus. *Three hours.*
 - (4) *German.* Schiller's *Jungfrau von Orleans*. *Two hours.*
 - (5) *German.* German Conversation and Composition. *One hour.*
 - (6) *French.* *Two hours.*
 - (7) *Engineering.* Advanced Mechanics. Lectures. *Two hours.*

Second Half-Year

- 1 *Logic.* Text-Book, Jevons's Elementary Lessons in Logic. Principal authors referred to: Mill, Hamilton, Bowen. *Two hours a week.*
- 2 *Rhetoric.* English Literature of the Seventeenth and Eighteenth Centuries. Manual of English Literature, with Study of Authors. *Three hours a week.* Essays and Orations, *Saturdays.*
- 3 *Elocution.* Private rehearsals of Orations.
- 4 *Astronomy.* Newcomb and Holden's Astronomy, with Lectures. Principal authors referred to: Newcomb, Herschel, Chauvenet. *Two hours a week.*
- 5 *History.* General History of European Civilization. Lectures. Also brief dissertations by the class, based partly upon original sources of mediaeval history, partly upon the works of Bryce, Hallam, Gibbon, Guizot and Waitz. *Three hours a week.*

- 5 A sufficient number of the following elective studies to make up *six or seven hours a week*:
- (1) *Greek*. Plato. *Two hours*.
 - (2) *Latin*. Juvenal, Persius, Terence, Latin Composition, Lectures. *Two hours*.
 - (3) *Mathematics*. Integral Calculus. *Three hours*.
 - (4) *German*. Lessing's *Emilia Galotti*. *Two hours*.
 - (5) *German*. German Conversation and Composition. *One hour*.
 - (6) *Astronomy*. Supplementary course. *Two hours*.
 - (7) *Engineering*. Advanced Mechanics. Weisbach. *Two hours*.
 - (8) *Surveying*. *Three hours*.
 - (9) *Analytical Chemistry*. Laboratory Practice. *Five hours*.
 - (10) *Zoölogy*. Lectures. *Two hours*. Laboratory work.* *Two hours*.
Books of Reference: Packard's Zoölogy, Huxley's Anatomy of the Invertebrates, Huxley's Anatomy of the Vertebrates, Gegenbaur's Elements of Comparative Anatomy, Packard's Outlines of Comparative Embryology.
 - (11) *Political Economy*. Lectures, chiefly from the point of view of Adam Smith, but with appreciative attention to the teachings of Cohn, Cossa, Knies, Roscher, Schaeffle and Wagner. Discussions. Special studies by the class, of Fawcett, Mill, Cairnes, F. A. Walker and other authors. *Two hours*.

SENIOR CLASS

First Half-Year

- 1 *Intellectual Philosophy*. Lectures. Essays by the class. Sir William Hamilton's Lectures on Metaphysics, Kant's Critique of Pure Reason (expositions of Mahaffy, Caird, Stirling and Morris), Wayland's Intellectual Philosophy, Porter's The Human Intellect, Sully's Outlines of Psychology. *Four hours a week*.

* Only for those who also take the Lectures.

- 2 *History.* Lectures upon the Evolution of Constitutional Government in England and America. Studies by the class, in Stubbs and Hallam, Gardiner, Green, Guizot and Pauli, Bancroft, and von Holst. *Three hours a week.*
- 3 *Agricultural Zoölogy* (required for students on state scholarships).
- 4 A sufficient number of the following elective studies to make up *six, seven or eight hours a week* for students on state scholarships, *seven, eight or nine* for all others.
 - (1) *Greek.* Demosthenes, Oration on the Crown, with Lectures. *Three hours.*
 - (2) *Latin.* Lucretius, with Lectures. *Three hours.*
 - (3) *Advanced Mathematics.* *Two hours.*
 - (4) *German.* Goethe's *Iphigenie*, with Lectures. *Three hours.*
 - (5) *Italian.* *Two hours.*
 - (6) *Spanish.* *Two hours.*
 - (7) *Engineering.* Advanced Mechanics. Weisbach. *Two hours.*
 - (8) *Analytical Chemistry.* Laboratory Practice. *Five hours.*
 - (9) *Geology.* Lectures. *Two hours.* Laboratory work. *Two hours.*
 Books of Reference: Dana's New Text-book of Geology, Dana's Manual of Geology, Le Conte's Elements of Geology, Nicholson's Ancient Life-History of the Earth.
 - (10) *Roman Law.* Holland's Institutes of Justinian, with Lectures. Short essays by the class. *One hour.*
 - (11) *Advanced Political Economy.* Lectures, Problems, Dissertations. *One hour.*

Second Half-Year

- 1 *Moral Philosophy.* Lectures, with essays by the class. Wayland's Moral Science, Alexander's Moral Science, Kant's Metaphysic of Ethics (Semple's and Abbott's translations), Calderwood's Handbook of Moral Philosophy, Sidgwick's Methods of Ethics, Janet's Theory of Morals, with references to various other authors. *Five hours a week.*
Natural Theology, and Evidences of Christianity, by Lectures.
- 2 A sufficient number of the following elective studies to make up *seven, eight or nine hours* :

- (1) *Lectures on the History of Philosophy.* One hour.
 - (2) *Greek.* Plato. Three hours.
 - (3) *Latin.* The *Annales* and *Historiae* of Tacitus, with Lectures. Three hours.
 - (4) *Advanced Mathematics.* Two hours.
 - (5) *English Literature of the Nineteenth Century.* Class-room Debates. Tennyson's Idyls of the King. Two hours.
 - (6) *German.* Goethe's *Faust*, with Lectures. Three hours.
 - (7) *Italian.* Two hours.
 - (8) *Spanish.* Two hours.
 - (9) *Engineering.* Graphical Analysis. Two hours.
 - (10) *Analytical Chemistry.* Laboratory Practice. Five hours.
 - (11) *Physics.* Laboratory Practice.* Four hours.
 - (12) *Geology* (continued). Lectures, with a short course on *Archaeology* and *Ethnology.* One hour.
 - (13) *History.* Diplomatic History of the United States, embracing the Elements of International Law. Lectures, with independent researches by the class. Three hours.
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*See p. 44.

SECOND, FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

FRESHMAN CLASS

First Half-Year

- 1 *Mathematics.* Geometry Solid and Spherical. Plane Trigonometry.
Six hours a week.
- 2 *Mathematics.* Geometrical Problems. *Four hours a week.*
- 3 *French.* First Division. (1) The *Athalie* of Racine will be read in the class. (2) Examinations will be held upon the *Esther*, *Iphigénie*, and *Phèdre* of Racine. Second Division. (1) Three books of the *Télémaque* of Fénelon will be read in the class. (2) Examinations will be held upon three additional books of *Télémaque*. Williams's Subjunctive Mood (both Divisions). *Two hours a week.*
- 4 One of the following courses. *Four hours a week.*
 - (1) *Greek.* Felton's Greek Historians, Fernald's edition. Greek Composition. Smith's History of Greece.
 - (2) *Latin.* Cicero, *De Senectute* and *De Amicitia*. Selections from Cicero's Epistles. Latin Composition.
 - (3) a. *Biology.* *Three hours.* b. *Free-hand Drawing.* *One hour.*

Second Half-Year

- 1 *Mathematics.* Spherical Trigonometry. Algebra. *Six hours a week.*
- 2 *Mathematics.* Surveying and Mensuration. *Four hours a week.*
- 3 *French.* First Division. (1) The *Horace* of Corneille will be read in the class. (2) Examinations will be held upon the *Cid*, *Cinna* and *Polyeucte* of Corneille. Second Division. (1) The *Horace* of Corneille will be read in the class. (2) Examination will be held upon the *Cid*. *Two hours a week.*

- 4 One of the following courses. *Four hours a week :*
- (1) *Greek.* Homer's Iliad. Greek Composition.
 - (2) *Latin.* Livy (Lincoln's Selections), Books I, II, XXI, XXII.
Roman History. Latin Composition.
 - (3) a. *English.* Three hours. b. *Free-hand Drawing.* One hour.

SOPHOMORE CLASS

First Half-Year

- 1 *Rhetoric.* Bancroft's Method of English Composition. A. S. Hill's Principles of Rhetoric. Essays. Principal Books of Reference: Campbell's Philosophy of Rhetoric, Whately's Elements of Rhetoric, Hunt's Principles of Written Discourse and D. J. Hill's Science of Rhetoric. *Two hours a week.*
- 2 *Elocution.* Lectures and Exercises. Principal Works of Reference: Rush on the Voice; Murdoch and Russell's Vocal Culture; The Speaking Voice, Hullah; Throat and Voice, Cohen. *Once a week.*
- 3 *Physiology.* Lectures. Books of Reference: in Anatomy, Quain and Gray; in Physiology, Dalton Flint and Foster; in Hygiene, Buck. *Three hours a week.*
- 4 One of the following courses.* *Nine, ten or eleven hours a week :*
 - (1) *Greek or*
Latin, three hours.
Chemistry, three hours.
Two electives, four hours.
 - (2) *Greek or*
Latin, three hours.
Botany, two hours.
Two or three electives, four
or six hours.
 - (3) *Descriptive Geometry, six hours.*
Two electives, four hours.
 - (4) *Chemistry, three hours.*
Botany, two hours.
Two or three electives, four
or six hours.

* A course begun this half-year must be continued the next. Courses (1) and (4) are preparatory to the study of Analytical Chemistry.

The electives available for the above courses are as follows :

- (a) *Mathematics.* Analytical Geometry. *Two hours.*
- (b) *German.* Whitney's Brief Grammar. Exercises in German Composition. Practice in German Conversation. Joynes's Reader. *Two hours.*
- (c) *French.* Molière. *Two hours.*
- (d) *Botany.* *Two hours.*

Second Half-Year

- 1 *Mechanics.* *Three hours a week.*
- 2 *Rhetoric.* A. S. Hill's Principles of Rhetoric. Rhetorical Study of Macaulay's Essay on Milton. Exercises in Rhetorical Criticism. Essays. *Two hours a week.*
- 3 *Elocution.* Lectures and Exercises, with Declamations. For Reference, Bacon's Manual of Gesture. *One hour a week.*
- 4 One of the following courses. *Nine, ten or eleven hours a week:*
 - (1) *Greek or* (2) *Greek or*
Latin, three hours. *Latin, three hours.*
Analytical Chemistry, five hours. *Zoölogy, two hours.*
One elective, two hours. *Two electives, four hours.*
 - (3) *Shades, Shadows and Linear* (4) *Analytical Chemistry, five hours.*
Perspective, six hours. *Zoölogy, two hours.*
Two electives, four hours. *One or two electives, two or four hours.*

The electives available for the above courses are as follows :

- (a) *Mathematics.* Analytical Geometry. *Two hours.*
- (b) *German.* Advanced Grammar. Exercises in German Composition. Practice in German Conversation. *Der Zerbrochene Krug* of Zschokke, *Eigensinn* of Benedix. *Two hours.*
- (c) *French.* Modern Authors. *Two hours.*
- (d) *Botany.* Lectures and field excursions. *Two hours.*

JUNIOR AND SENIOR YEARS

From this point, the end of the Sophomore year, the courses for the degree of Bachelor of Philosophy are identical with those for the degree of Bachelor of Arts [see pages 32-36], except that candidates for the degree of Bachelor of Philosophy who have taken Course (1) or Course (4) in the Sophomore year [see page 40], must in the first term of Junior year take Analytical Chemistry *five hours*, and one elective of *two hours*, in place of Chemistry, *three hours*, and two other electives, *four hours*.

DEPARTMENTS OF PRACTICAL SCIENCE

Departments of Practical Science have been established in the University for the benefit of students who wish to prepare themselves for such pursuits as require special knowledge of the mathematical and physical sciences and the applications of these to the industrial arts.

In these departments provision has also been made for courses of instruction in "such branches of learning as are related to Agriculture and the Mechanic Arts." This provision has been made in accordance with an "Act of Congress granting lands for the establishing of Agricultural Colleges," and with "Resolutions of the General Assembly of the State of Rhode Island accepting these lands, and assigning the same to Brown University." Students who enter only for these studies, either in full or in part, are subject to the same conditions of admission as for any select course; and when they have duly pursued such studies, they will be entitled to a certificate stating the time of their residence at the University, and the amount of their acquisitions. They may, however, pursue these studies in connection with the "regular scientific and classical studies of the University," and when they have so pursued them as to fulfil the requirements for the degree of Bachelor of Arts or of Bachelor of Philosophy, they will be entitled to such degree.

I, CHEMISTRY APPLIED TO THE ARTS

The Chemical Laboratory is open to students, except on Saturdays, from 8.30 A. M. to 2.30 P. M.

It is the design of this Department to teach students Analytical Chemistry and then to direct their studies to the practical applications of Chemistry. Attention is given to Metallurgy, Medical Chemistry, Agricultural Chemistry and the application of Chemistry to manufacturing processes.

The course is not confined to undergraduates, other persons, if prepared to pursue the study to advantage, being admitted to the Laboratory; but a knowledge of the general principles of Chemistry is absolutely necessary to profitable study in this Department.

The text-books used are:

Appleton's Qualitative Chemical Analysis, Appleton's Quantitative Chemical Analysis, Roscoe's Lessons in Elementary Chemistry, Foye's Chemical Problems, Cairns's Quantitative Analysis, Remsen's Organic Chemistry.

II, ENGINEERING

The full course in this Department occupies four¹ years, but a longer or a shorter course may be pursued if the student so elects. Those not wishing to pursue the full course will find the studies so arranged that the knowledge and practice acquired in a partial course will be practical and available. Ample provision will be made for the instruction of any who desire a more extended course than is here indicated, in Engineering and in Higher Mathematics.

The following is the order of study for the regular course :

First Year. Algebra and Geometry; the use of mathematical instruments, including Line Drawing, Pen Shading, Plane Geometrical Problems with graphical construction of the same; Free-hand Drawing and Shading; use of Mathematical tables; Trigonometry and its application to the measurement of areas, and Surveying, including the theory and adjustment of instruments, field practice and plotting surveys.

Second Year. Analytical Geometry; Descriptive Geometry; Shades and Shadows; Linear Perspective, and Isometrical Drawing.

Third Year. Differential and Integral Calculus; Theory of Structure, embracing the construction of foundations, Stone and Brick Masonry and detailed drawings of the same, with Lectures; Weisbach's Mechanics or Mahan's Civil Engineering.

Fourth Year. Weisbach's Mechanics; Hydraulics, embracing the structure and use of hydraulic machines, the investigation of the laws which govern the flow of water from reservoirs and the flow of water in rivers, canals and conduit pipes, and water used as a motor; Trigonometrical Calculation and Geometrical Representation of the strain on trusses and girders; drawing of Plans, Profiles, Elevations and Sections; construction of machinery and bridges and drawings of the same; strength of materials used in construction; estimation of the resistance of friction and rigidity.

Students desiring admission to this course are subjected to an examination on the same amount of Mathematics as is required of candidates entering for a degree.

III, PHYSICS

The Laboratory of the Department of Physics offers instruction during the second half-year to a limited number of students, who show special aptitude

for this study, and are desirous of familiarizing themselves with the construction and use of physical apparatus and with the means of investigation.

A course of experiments in Sound, Light, Heat and Electricity, involving the principal phenomena and the most important methods of measurement, has been arranged with reference to the needs of beginners. Apparatus available for more advanced students and for researches has been recently purchased, with the view of meeting the demand for special instruction in Physics.

IV, BOTANY

Instruction in Botany is given by means of lectures and laboratory practice upon morphological and physiological subjects. Students are taught to make illustrative drawings from nature, to reason and to compare.

Each student of Botany is expected to pay a small fee for the cost of specimens used in class-work.

At the proper seasons, excursions are made, under the guidance of the Professor, to neighboring points of botanical interest. At such times students are shown how to collect and preserve specimens.

The following works are recommended for reference: Gray's Botanical Text-Book, Gray's Manual of the Northern States, Sachs's Text-Book of Botany, Bessey's Botany, Vines's Physiology of Plants, Plant Dissection, by Coulter, Barnes and Arthur, Bower's and Vines's Practical Botany, De Bary's Anatomy of Phanerogams and Ferns, Goebel's Morphology, Sachs's Lectures on Vegetable Physiology, Strasburger's Histology, Goodale's Physiology.

Under proper restrictions the Herbaria are made accessible to students and the public, for the determination and comparison of species. Every courtesy will be extended to visiting botanists who desire to consult them. Each week-day, except Saturday, the Curator is present between 11 and 1 at the Herbarium Rooms for consultation.

The Bailey Herbarium

This collection, presented to the University by Professor W. WHITMAN BAILEY, B. P., contains *eighteen hundred* specimens, and about *fifteen hundred* species, American and foreign. It is rich in ferns. The donor has now merged it in the general collection.

"Herbarium Olneyanum"

This valuable collection, presented to BROWN UNIVERSITY by the will of the late STEPHEN THAYER OLNEY, of Providence, is estimated to number about *forty thousand specimens*. It illustrates American Botany, and is

particularly rich in the plants of Rhode Island. The specimens are in good order for consultation.

Mr. Olney's botanical studies, continuing for many years, brought him into relations of active exchange with the leading collectors of this country. He also made large purchases of plants, and thus accumulated a valuable mass of material, which it would now be difficult to duplicate. The correspondence which accompanies the Herbarium covers a period of thirty or more years. It includes communications from Sir Joseph D. Hooker, of Kew, Baron von Mueller, of Melbourne, Professor Asa Gray, Professor John Torrey, Professor D. C. Eaton, Mr. Francis Boott and many other eminent botanists. Mr. Olney was an acknowledged authority on the difficult genus *Carex*, and his collection of sedges is one of great value. In the last years of his life he began a monograph upon *Carex*, the notes of which, and the drawings by Mr. J. H. Emerton, accompany his bequest. Specialists in *Carex* frequently consult this Herbarium. A large stock of duplicates is on hand for exchange with other institutions.

The Bennett Herbarium

This valuable Herbarium is the gift of Mr. JAMES LAWRENCE BENNETT, an accomplished amateur botanist of Providence.

It includes about *thirteen thousand* species, and probably over *thirty thousand* specimens, and has involved in its accumulation thirty years of assiduous labor. American Botany is well represented, but the foreign specimens are the more numerous; many of them are derived from remote and, in some cases, almost inaccessible regions of the globe.

The completeness with which the natural orders are illustrated, as well as the wide geographical range exhibited, makes this Herbarium an important addition to the means of instruction in the University.

The Brownell Herbarium

This consists of some twenty-five hundred or three thousand species, from Germany, Russia, Cuba and the United States, presented during the year 1886-7 by Dr. E. R. BROWNELL, of Hartford, Conn., in memory of his brother, Dr. C. M. BROWNELL, who either collected or procured them.

V, ZOÖLOGY AND GEOLOGY

Zoölogy is taught by lectures, frequent examinations, and laboratory work. It is the aim to adapt the lectures to the needs of the general student. It is taken for granted that no liberally educated person should be without a general knowledge of the principles of Biology, the laws of Animal Morphology, the relations of animals to the world about them and to man, and the probable mode of their origin.

The laboratory work is a course on Comparative Anatomy. The student is required to draw and to dissect the more important types of the animal kingdom; viz., a starfish, clam, lobster, grasshopper, beetle, butterfly, a fish, frog, bird and mammal. He is required to examine and draw portions of the skeleton of each type of vertebrates, including a comparative study of limbs. The structure of cells and of the Protozoa as well as of the sponges is demonstrated. The course is designed to be of value to one intending to study medicine.

Special facilities will be offered to any one desiring to do more advanced work in Zoölogy.

Specimens of the following rarer types have lately been added for use in this department: African lung fish (*Protopterus*), *Polypterus*, *Siren*, *Amphiuma*, *Uroscilla*, and a skin and skeleton of the Australian spiny anteater (*Echidna*); also skeletons and other osteological preparations of fishes, batrachians, lizards, birds and mammals. Collections illustrating the invertebrate, crustacean, fish, amphibian, reptilian and bird-fauna of Rhode Island have been set apart in the Museum; and valuable histological and embryological preparations have been lately added.

Instruction in Geology is given by means of lectures, laboratory work and field excursions, with especial reference to the geology, structural and economic, of Rhode Island. The lectures are illustrated by diagrams, models in wood and plaster, and fossils. During 1885, the palæontological collection was rearranged and labelled for the use of students. The fossil flora of Rhode Island is fully represented.

The laboratory work comprises an elementary course in Mineralogy and Lithology. Many duplicate crystals have been purchased, and the students are allowed to use them freely in their work. A special collection of Rhode Island minerals and rocks has been formed.

Instruction in Physical Geography is given by lectures and examinations, and the course is illustrated by maps and models.

VI, AGRICULTURE

The course of instruction in Agriculture includes the courses in the preparatory branches, Chemistry and Physics, Botany, Physiology, Zoölogy and Comparative Anatomy. It also embraces special lectures on Agriculture. These relate to the study of soils and to applied Economic Zoölogy. The course of instruction is illustrated by specimens from the Museum of Natural History and by field excursions. Further, practical instruction is given in obtaining and preserving specimens and in taxidermy.

MUSEUM OF NATURAL HISTORY AND ANTHROPOLOGY

IN RHODE ISLAND HALL

The Museum is under the curatorship of Professor John W. P. Jenks.

The collection includes chiefly the departments of Zoölogy, Geology and Mineralogy, though considerable space in the upper portion of the Hall is devoted to Botany, Ethnology and Archaeology.

The department of Zoölogy is arranged according to the more modern methods of classification, beginning with the sponges and ending with the mammals; and it includes materials not only for general work but for special investigation. So far as possible, there have been placed on exhibition, separate from the synoptic collections, local collections representing the fauna of the State. Students giving special attention to Zoölogy are allowed to take from the cases such material as they may need, the aim always being to make the Museum not an exhibition room only, but a place for work.

The department of Geology includes, besides the systematically arranged collection of fossils, a valuable collection illustrating the carboniferous flora of Rhode Island and the tertiary flora of the West. These fossils have been authoritatively named by Professor Leo Lesquereux, a few being species new to science.

The Mineralogical department has several thousand specimens, many of which are almost daily in use by the laboratory students.

The greater part of the botanical collection has been transferred to the Herbarium, though the Museum still retains a large collection of native and exotic woods. In the ethnological department are many rare implements from the South Seas as well as from the Arctic Regions, the Western Plains and Mexico. Archaeology is represented by many instructive objects, once the property of now extinct races.

LIBRARY

The College Library dates from the year 1767, when the Rev. Morgan Edwards collected books for it in England. In 1843, when the Catalogue was printed, and soon after its removal from University Hall to Manning Hall, it contained ten thousand volumes. In 1878, the date of its location in the new Library Building, it contained fifty thousand volumes. It now numbers sixty-five thousand five hundred and ninety-four bound volumes, in addition to a large and valuable collection of pamphlets.

Nearly all the volumes are well bound, and many of them rare and costly. A large portion has been carefully selected from year to year, with special reference to the wants of professors and students, to aid in literary, scientific and historical research. The departments of bibliography, Greek and Latin classics, history, biography, literature, patristics, modern languages, science and the fine arts, are very full, indeed comparatively complete. The books are arranged in alcoves according to subjects, and free access is allowed to the shelves. Upon the tables in the centre of the building are placed the standard periodicals, American and foreign, relating to the different departments of study, and behind them, conveniently arranged, are abundant books of reference.

The Library is open in term time *each week-day except Saturday, from 10 to 4; on Saturdays from 10 to 1*; during vacations on Saturdays only.

Members of the Corporation and of the Faculty, also every donor residing in Providence, of five hundred dollars or more to the funds of the University, may use the Library without charge. The Library Committee can grant this privilege to others, but by vote of the Corporation, persons other than the above, including students and graduates, pay therefor the sum of five dollars each per annum.

The Harris Collection of American Poetry, bequeathed to the University by the late Hon. Henry B. Anthony, has been transferred to the special room in the Library designated for it and catalogued.

The following is a list of the donors to the Library from June 7, 1886, to October 10, 1887, the residence of each person named being Providence, unless otherwise indicated:

B. Abdank-Abaranowicz, Paris; J. M. Addeman; E. B. Allen, Kansas; American Academy of Arts and Sciences, Boston; American Antiquarian Society, Worcester; American Association for the Advancement of Science; American Baptist Missionary Union; American Board of Commissioners for

Foreign Missions; American Pharmaceutical Association, Philadelphia; Rev. Prof. E. B. Andrews; Prof. John H. Appleton; Trustees of the Astor Library, New York; Walter Baker, Dorchester; Peabody Institute of Baltimore; H. R. Barker; Samuel P. Bates, LL. D., Meadville, Pa.; Robbins Battell, Norfolk, Ct.; Brig. Gen. S. V. Benét, Washington; Joseph B. Bishop, New York; Prof. E. W. Blake; Frank E. Bliss, New York; Dr. E. Y. Bogman; Boston Latin School Association; Boston City Government, per City Messenger; Record Commissioners of the City of Boston; Bowdoin College; Rev. James P. Boyce, LL. D., Louisville; A. T. Brittan, Washington; Rev. T. Edwin Brown, D. D.; Buffalo Library; Department of Agriculture, Canada; Royal Society of Canada, Montreal; Canadian Government, per E. B. Small, Ottawa; Mrs. George I. Chace; D. Chilova, Rome; Public Library of Cincinnati; Cincinnati Chamber of Commerce; Class of 1887, Brown University, in Memory of A. D. Wheeler; Dr. F. C. Clark; Rev. H. F. Colby, D. D., Dayton, Ohio; G. P. Coler, Baltimore; Connecticut Medical Society, Hartford; Convention of Y. M. C. Associations, New York; Library of Cornell University; Elmer L. Corthell, Civil Engineer, Chicago; Rev. J. N. Cushing, D. D., Rangoon; A. E. Cutter, Boston; H. S. Day, New York; Prof. F. B. Dexter, New Haven; J. H. Dodge, City Auditor, Boston; Daniel Draper, New York; Samuel Dunster, Attleborough; Hon. Jas. B. Everhart, Chester, Pa.; Dr. B. R. Field, Easton, Pa.; Dr. Charles H. Fisher; Prof. H. S. Frieze, LL. D., Ann Arbor, Mich.; William Gammell, LL. D.; Glasgow University; Dr. Samuel A. Green, Boston; Librarian R. A. Guild; Guildhall Corporation of London; Morris R. Hamilton, Trenton; Dr. H. Harts-horne, Germantown; Harvard University; Harvard Observatory, Cambridge; Dr. George D. Hersey; J. C. Heyward, Philadelphia; Rev. Charles Hibbard; Charles W. Hopkins; Rev. R. H. Howe, Longwood, Mass.; Grand Lodge of Iowa; Kansas State Board of Agriculture; Jas. P. Kimball, Washington; A. G. Langley, Newport; Rev. Daniel Leach, D. D.; Hugh McLennam, Montreal; Grand Lodge of Maine, Portland; Dr. John M. Maisch, Philadelphia; B. Pickman Mann, Washington; Massachusetts Historical Society, Boston; State Board of Health, Massachusetts; Secretary of the Commonwealth of Massachusetts; State Library of Massachusetts, Boston; Grand Lodge of Massachusetts, Boston; Maverick National Bank, Boston; Sidney D. Maxwell, Cincinnati; Michigan Board of Agriculture; Mrs. Lansing Millis, Millis, Mass.; Provost N. H. Morison, Baltimore; State of New Jersey; Norwegian Government, per Smithsonian Institution; Norwich Free Academy, Conn.; Mrs. S. L. Oberholtzer, Philadelphia; Rev. C. J. Oehlschlaeger, Richmond; Ohio State Forestry Bureau; Librarian W. H. Overall, London; Prof. A. S. Packard; Rev. A. G. Palmer, D. D., Stonington; T. S. Parvin, Cedar Rapids, Iowa; John Peirce; Mrs. Elizabeth A. Perry; Rev. S. Dryden Phelps, D. D., Hartford; H. R. Pierson, Albany; Mrs. Andrew Pollard, Boston; Howard W. Preston; Library of Theological Seminary, Princeton; Providence, per City Messenger; Providence Public Library; Grand Lodge of Rhode Island; State Board of Health, Rhode Island; Rev. Charles F. Richardson, Philadelphia; Sidney S. Rider; William H. Roberts, Princeton; Pres. E. G. Robinson, D. D.; Rev. George W. Samson, D. D., New York; A. R. C. Selwyn, LL. D., Ottawa, Canada; Rev. Jos. A. Seiss, D. D., Philadelphia; Rev. M. Sheeleigh, Fort Washington, Pa.; Mrs. Thomas P. Shepard; Samuel R. Shipley, Philadelphia; William Sims, Topeka, Kansas; Society of Arts, London; Society for Psychical Re-

search, London; Prof. H. B. Small, Ottawa, Canada; Roswell Smith, President of Century Club, New York; Rev. S. F. Smith, D. D., Newton Centre; Rev. Charles J. Staples, Reading, Mass.; Thomas B. Stockwell, School Commissioner; Rev. J. C. Stockbridge, D. D.; Rev. A. H. Strong, D. D., Rochester; Samuel Thurber, Boston; Mrs. J. J. Tucker; Edward W. Tullidge, Salt Lake City; Hon. J. Hammond Trumbull, LL. D., Hartford; Union League Club, New York; Dr. J. D. Vinton, Philadelphia; Department of the Interior, Washington; Treasury Department; Departments of State, War, Army, Navy and Agriculture; U. S. Commission of Fish and Fisheries; Chief of Ordnance; Smithsonian Institution; Bureau of Navigation; Commissioners of Labor; Wellesley College; Francis Wharton, LL. D., Washington; Prof. Dr. Benjamin I. Wheeler, Ithaca; W. H. Whitmore, Boston; Prof. Alonzo Williams; Hon. John Winslow, Brooklyn; Robert C. Winthrop, Jr., Boston; State Historical Society of Wisconsin; Rev. Alva Woods, D. D.; Carroll D. Wright, Washington; Yale University.

PUBLIC WORSHIP

The exercises of every day commence with reading of Scripture, singing and prayer in the College Chapel. All students are also required to attend public worship on Sunday, each one reporting to the President at the beginning of the term the church which he will attend.

COLLECTION OF PORTRAITS

Through the liberality of its friends, the College has been presented with a large number of portraits. Most of them are hung in Sayles Hall, the rest in apartments of the other College buildings. The collection includes portraits of benefactors of the University, of some of its former officers, and of other men distinguished in the earlier or the more recent history of Rhode Island. It has been greatly enriched in late years by portraits presented through a committee appointed by the Alumni, "for the purpose of procuring and placing within the walls of Brown University, the portraits of her Presidents, Professors, distinguished graduates and benefactors."

GYMNASIUM

Pending the movement now making for a College Gymnasium, the authorities of the College have made arrangements whereby all students who desire, may enjoy, at a moderate cost to themselves, the best facilities which the city affords for gymnastic exercise, with varied apparatus of the most approved patterns, and under a competent instructor.

READING ROOM

The Sears Reading Room Association of students occupies a large, commodious and well-lighted room, conveniently situated on the first floor of University Hall, fitted up especially for this use, and supplied with all the most important newspapers, daily and weekly, as well as with a variety of the more popular periodicals. The learned reviews may be consulted in the Library.

EXAMINATIONS, STANDING AND HONORS

SEMI-ANNUAL EXAMINATIONS

Examinations of all the classes are held at the close of each half-year, nearly all of them written. To secure him admission to the final examination in any study for any half-year, a student's term standing in that study must have been at least fifty per cent. of the maximum. If, upon examination in a given study, a student receives a mark which is less than one-half the maximum, he fails to pass in that study, and must prepare himself for a subsequent examination. Any student who fails at two or more regular examinations, covering in the aggregate more than half the work of the term, forfeits his connection with his class, unless his term standing in at least one-half the work upon which he has failed has reached sixty per cent. of the maximum. Students delinquent in examinations upon the studies of the first half-year are re-examined on the Tuesday at the close of the ensuing spring recess (for 1888, April 10). Students delinquent at the close of an academic year *must be re-examined on the Monday and Tuesday immediately preced-*

ing the beginning of the next (for 1888, September 17 and 18). They must be in attendance on Monday morning. Delinquents in any of the examinations of a given year are not permitted to take up the studies of the next, until they have passed all such examinations. Seniors failing at any of their last regular examinations must be re-examined within ten days. The mark for a second examination is in all cases averaged with that of the first.

ABSENCES FROM COLLEGE EXERCISES

A limited number of absences is allowed each student both from chapel services and from recitations, for which he need render no excuse. Students are, however, desired and encouraged not to avail themselves of this permission except as strictly necessary, high commendation being given on term reports to those who have been perfectly punctual, and mention made of every one who has used less than twenty-five per cent. of the absences allowed him. Every absence beyond the limit, unless from sickness certified by a physician or from such other cause as the President or the Faculty may deem sufficient, incurs ten demerits. Fifty such demerits cause suspension or dismissal, at the discretion of the Faculty.

REPORTS OF PROFICIENCY

A careful record is kept of the proficiency of every student in the College in each of his studies. At the close of a half-year the members of each class are arranged in four grades according to their respective average standings *for that half-year*. The first grade contains as nearly as possible one-tenth of the class, the second two-tenths, the third three-tenths, the fourth the remainder of the class, except those who are deficient in any study or studies. At the same period a report is sent to the parent or guardian of every student, indicating his standing in each of his studies for the half-year, and the number of the grade in which he stands, also announcing his deficiency in any study or studies if such exists.

APPOINTMENTS FOR COMMENCEMENT

These are made as follows: A number not exceeding three-fifths of the class about to graduate is appointed, according to rank, to prepare orations. The orations must be handed to the Professor of Rhetoric on or before the fourth Wednesday in April. Among these orations the Professor designates those, not less than half, which in his opinion possess the greatest merit. These are then referred to a committee consisting of the President of the

University, the Professor of Rhetoric, and a third member elected each year by the Faculty, and this committee determines which of them, not above ten in number, shall be delivered at Commencement.

CLASS HONORS

There are three grades of class honors, comprising in each class all those students whose rank for their entire course places them in the first six-tenths of the class. The first grade contains as nearly as possible one-tenth of the class, the second two-tenths, the third three-tenths. Alphabetical lists of the several grades are printed upon the Commencement programme when the class graduates, and in the Catalogue of the ensuing year.

SPECIAL HONORS

By fulfilling the following conditions a student may, in any department, obtain special honors: 1 Securing the permission of the Faculty to study for such honors. 2 Pursuing all the elective studies in the given department. 3 Prosecuting a special course of reading under the direction of the Professor in charge of the same. 4 Maintaining an average standing in the department, of at least ninety-five per cent. of the maximum. 5 Passing any special examinations required. The names of students thus obtaining honors are printed on the Commencement programme when they graduate, and in the Catalogue of the ensuing year.

GRADUATE DEGREES

I, MASTER OF ARTS

After Commencement, 1890, the following rules will be observed: 1 The degree of Master of Arts, except as an honorary degree, will be conferred only on the condition that the candidate, already a Bachelor of Arts, has completed a thorough course, approved by the Faculty and by the Board of Fellows, of liberal, graduate study, sufficient in amount to constitute a fifth year of College work, and has passed satisfactory examinations thereupon. 2 By continuous residence at College, candidates fulfilling the above conditions, may receive the degree in one year from graduation, but in cases of partial or entire non-residence, at least two years will be required. 3 Every

candidate for the degree will be charged the sum of five dollars on announcing his candidacy, and the same fees while in residence as are paid by undergraduates. When the degree is conferred, resident candidates will pay the additional sum of ten dollars, non-resident the sum of twenty-dollars.

II, DOCTOR OF PHILOSOPHY

This degree will be conferred under the following conditions: The candidate must be a Bachelor of Arts or of Philosophy. He must have resided at the University at least two years after graduation, pursuing a systematic course of study approved by the Faculty and the Board of Fellows, and sustaining satisfactory examinations on the same, concluding his course with a thesis giving evidence of high scholarship and of special excellence in the studies pursued. To receive this degree one must have a good knowledge of Latin, French and German, unless for sufficient reasons the Board of Fellows shall make special exceptions. The fee for instruction will be the same as to undergraduates; that for the degree, ten dollars.

EXPENSES

The necessary College expenses for the year are as follows :

	LOWEST.	HIGHEST.
Tuition,	\$100 00	\$100 00
Rent, single room,	32 00	70 00
Rent, suite,	85 00	155 00
Use of Library,	5 00	5 00
Registrar's salary,	4 00	4 00
Public fuel and printing,	14 00	14 00
Servants' hire for those not residing in College,	6 00	6 00
Servants' hire for residents in College,	20 00	30 00

The charge for public fuel is to cover the expense of heating recitation rooms, halls, etc.; that for servants' hire, the cost of caring for the same. The printing referred to is of examination papers, programmes of recitations and the like.

Each room in University and Slater Halls has its gas meter, and occupants are charged for the actual amount of gas which they consume.

Every candidate for a degree pays, upon admission to College, a matriculation fee of \$5 00.

The total expenses of students per year will vary, of course, according to their habits, tastes and means, some students expending more than double, even more than treble, the amounts of others.

Students needing to increase their incomes through their own exertions often find in the city opportunities for doing so, by giving private instruction, by teaching in evening schools, and in other occupations not inconsistent with their duties.

The Corporation, at its annual meeting Sept. 3d, 1884,

“*Resolved*, That the requirement of advanced payment of term bills shall be strictly enforced; and that for all term bills remaining unpaid at the end of six weeks, either some security for their payment by bond or note, satisfactory to the Treasurer, shall be given, or the delinquent shall be required to leave College.”

Board is not furnished at the College, but a list, kept by the Registrar, of eligible families in the city where board can be obtained, is always accessible to students.

The usual cost of board is at present from \$3 00 to \$5 00 per week. A majority of the students pay about \$3 00. By forming clubs, students are able to obtain good board so low as \$2 50. Board with furnished rooms, in private families, may be had at from \$5 00 to \$10 00 per week.

In addition to the above charge of \$100 00 for tuition, candidates for a degree who pursue the study of Analytical Chemistry pay \$18 35 per two hour course, for gas, chemicals, breakage, etc.

The expenses of a special student in this branch for a course of study of two hours daily in the Laboratory, are, for each half-year, as follows:

Instruction, gas, chemicals, etc.,	\$35 00
Breakage, varying with the student's care, about,	3 00
	<hr/>
	\$38 00

Students who take courses of four hours or of six hours daily, pay, respectively, double or treble the above amounts.

PECUNIARY AID TO STUDENTS

SCHOLARSHIPS

The College has about one hundred scholarships. Sixty-four of them are of one thousand dollars each. The income of these is given, under the direction of a committee appointed by the Corporation, to meritorious students who may need pecuniary assistance; *but a scholarship is forfeited if the candidate incurs College censure, or fails to secure at least seventy-five*

per cent. of the maximum marking. The one thousand dollar scholarships are as follows, each, unless otherwise indicated, bearing the name of its founder:

The eleven Nicholas Brown Scholarships.

The four University Scholarships.

The President's (Sears) Scholarship.

The six Alva Woods Scholarships.

The James H. Duncan Scholarship.

The Isaac Davis Scholarship.

The Arnold Whipple Scholarship,
founded by Mrs. Arnold Whipple.

The Ephraim Wheaton Scholarship,
founded by James Wheaton.

The Joseph Brown Scholarship,
founded by Mrs. E. B. Rogers.

The Gardner Colby Scholarship.

The James Y. Smith Scholarship.

The two S. S. Bradford Scholarships.

The Frances R. Arnold Scholarship.

The Cornelia E. Green Scholarship.

The Crocker Scholarship, founded
by Robert H. and Thomas P.
Ives, trustees.

The Clark Scholarship, also founded
by the Messrs. Ives.

The Albert Day Scholarship.

The Henry P. Kent Scholarship.

The Romeo Elton Scholarship.

The five Annie E. Waters Scholarships.

The L. Fairbrother Scholarship,
founded by Mrs. L. Fairbrother.

The George Lawton Scholarship.

The John P. Crozer Scholarship,
founded by Mrs. Margaret Bucknell.

The Horatio N. Slater Scholarship.

The Earl P. Mason Scholarship.

The Newport Scholarship, founded
by William Sanford Rogers.

The Alexis Caswell Scholarship.

The George K. and H. A. Pevear Scholarship.

The Joseph C. Hartshorn Scholarship I.

The Rogers High School Scholarship, founded by William Sanford Rogers.

The James Wheaton Scholarship.

The Charles Thurber Scholarship.

The Pardon Miller Scholarship,
founded by Mrs. Ann E. Miller.

The Hezekiah S. Chase Scholarship.

The William Bucknell Scholarship.

The Austin Merrick Scholarship,
founded by Mrs. Olive E. Merrick.

The three (Henry) Jackson Scholarships.

The Mumford Scholarship, founded
by Mrs. Louisa D. Mumford.

The Henry Clifford Knight Scholarship, founded by Miss Amelia S. Knight, in memory of her brother, a member of the Class of 1875.

Besides the above scholarships, there are others, the assignment of which is made subject to special provisions. These are as follows:

The Bartlett Scholarship, of four thousand dollars, founded by MRS. ELIZABETH SLATER BARTLETT, the income to be "devoted to the support of one or more students needing pecuniary aid, and giving promise by studious aims and by character and scholarship, of rising to distinction and usefulness."

The Glover Scholarships, of five thousand dollars, founded by HENRY R. GLOVER, "in memory of his father, SAMUEL GLOVER, a graduate of the College, of the Class of 1808, and of his brother, SAMUEL GLOVER JR., of the Class of 1839." Assignment is made upon the basis of character and attainments.

The Scholarship of the Class of 1838, of thirty-eight hundred dollars, founded by members of THE CLASS of 1838, and also assigned upon the basis of character and scholarship.

The Philadelphia Alumni Scholarship, of fifteen hundred dollars, founded by the "PHILADELPHIA ALUMNI ASSOCIATION OF BROWN UNIVERSITY."

The Joseph Charles Hartshorn Scholarship II, of two thousand dollars, founded by the gentleman whose name it bears.

The George J. Sherman Scholarships I and II, of one thousand dollars each, founded by the gentleman whose name they bear.

The Scholarships of the Department of Agriculture. By resolutions of the General Assembly of the STATE OF RHODE ISLAND, the national grant, "for the benefit of Agriculture and the Mechanic Arts," was given to Brown University; and the fund of fifty thousand dollars which has accrued from this grant, is by agreement on the part of the University devoted to the education "of scholars, each at the rate of one hundred dollars per annum, to the extent of the entire annual income." Appointments to these scholarships are made, on the nomination of the General Assembly, by the Governor and Secretary of State, in conjunction with the President of the University.

AID FUND

This is a fund of several thousand dollars, the income of which is applied, either by loan or by gift, to the assistance of deserving young men of limited means.

PREMIUMS

I, For Excellence in Preparatory Studies

The President's Premiums. These are derived from the income of a fund presented by the REV. FRANCIS WAYLAND, D. D., while President of the University. They are awarded to those members of the Freshman

Class, candidates for the degree of Bachelor of Arts or of Bachelor of Philosophy, who are found, *upon special examination*, to have attained the highest excellence in the classical studies preparatory to admission to College. They are fixed by statute as follows :

A First Premium of fifteen dollars and a second of ten dollars, for excellence in the Greek language.

A First Premium of fifteen dollars and a second of ten dollars, for excellence in the Latin language.

The competitors are examined in the classical studies required for admission to the College.

The most recent award (1887) of these premiums was as follows :

Greek

The First Premium to JOHN FRANCIS GREENE, instructed by William T. Peck, A. M., in the Providence High School.

The Second Premium to JAMES MARTIN GILLRAIN, instructed by William T. Peck, A. M., in the Providence High School.

Latin

The First Premium to JOHN FRANCIS GREENE, instructed by William T. Peck, A. M., in the Providence High School.

The Second Premium to JAMES MARTIN GILLRAIN, instructed by William T. Peck, A. M., in the Providence High School.

Mathematics

The Hartshorn Premiums. These are derived from the income of a fund of one thousand dollars, presented by JOSEPH C. HARTSHORN, A. M., of the Class of 1841. This income is appropriated to *three premiums*.

These are awarded to those members of the Freshman Class who are found, upon examination, to have excelled in the preparatory mathematical studies.

The last award (1887) of these Premiums was as follows :

The First Premium to EDWIN CLARK REYNOLDS, instructed by Walter B. Jacobs, A. M., in the Providence High School.

The Second Premium to FRANK LEONARD HINCKLEY, instructed by Walter B. Jacobs, A. M., in the Providence High School.

The Third Premium to WINTHROP DROWN HILTON, instructed by Walter B. Jacobs, A. M., in the Providence High School.

II, For Excellence in College Studies

The Carpenter Prizes for Elocution. These are : a First Prize of *sixty* dollars ; a Second Prize of *thirty-six* dollars ; a Third Prize of *twenty-four* dollars.

They are derived from the income of a fund established by THOMAS CARPENTER, and are awarded annually to the three members of the Sophomore Class to whom shall be assigned, respectively, the first, the second and the third rank of excellence in elocution. The assignment is made by a committee appointed for the purpose, and after trial at a public exhibition given on the Monday evening before Commencement.

The competitors must be members of the Sophomore Class. They may declaim pieces in either prose or verse, selected from English authors, but their selections must be approved by the Professor of Rhetoric. They must enter their names with this Professor not later than on the tenth day before the exhibition.

The Committee of Award consists of five members, and is formed as follows: the Professor or the Instructor in Elocution, who is the chairman, two persons elected by the Corporation, also two elected by the Sophomore Class during the first term of the year, it being understood that no one who is or has been a member of the class is eligible.

The Committee for 1887 awarded the prizes as follows:

The First, to GEORGE PACKARD.

The Second, to HERBERT WARE PARMENTER.

The Third, to SYLVANUS EVERETT FROHOCK.

The Carpenter Premiums. These are two, of sixty dollars each, derived from the income of a fund established by THOMAS CARPENTER and LYDIA CARPENTER.

These premiums are assigned at the *end of the Senior year*, to the two members of the Senior Class, who, "already on scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life, ability, character and attainment."

For the year 1886-87, the Carpenter Premiums were awarded to

BENIAH LONGLEY WHITMAN

and

WILLIAM OVERTON.

The Howell Premium. This fund, amounting to one thousand dollars, was presented by the late GAMALIEL LYMAN DWIGHT. The income is given, at the *close of the first half of the Senior year*, to the student, who, "having a good record of deportment," has the highest rank in Algebra, Geometry, General Geometry, Trigonometry, Calculus, Required Mechanics, Required Astronomy and Required Physics.

For the year 1885-86, this premium was awarded to

BENIAH LONGLEY WHITMAN.

The Dunn Premium. This fund, amounting to somewhat over eight hundred dollars, was presented by pupils and friends of the late PROFESSOR ROBINSON POTTER DUNN, D. D., the income to be given, at the *end of the Junior year*, to the student having the highest standing in rhetorical studies.

For the year 1886-87, this premium was awarded to

HENRY WINN PINKHAM.

The Class of 1873 Fund. This fund, amounting to five hundred dollars, was presented to the University by THE CLASS of 1873, on the condition that its income should be used as a prize for an Essay. The prize is annually offered for competition to members of the Senior Class.

On Commencement Day, June 15, 1887, the President announced the award of this prize to

WILLIAM OVERTON.

The Foster Premium. This premium is derived from the income of a fund of three thousand dollars bequeathed to the University by the late HON. LA FAYETTE SABINE FOSTER, LL. D., of the Class of 1828.

In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third and twenty-fourth books of Homer's Iliad, or in the Oration on the Crown by Demosthenes."

The next examination, open to the members of the Senior Class, will be held early in May, 1888. Candidates will be examined in the Oration on the Crown.

On Commencement Day, June 15, 1887, the President announced the award of this prize to

BENIAH LONGLEY WHITMAN.

HONORS IN THE CLASS OF 1887

CLASS HONORS

FIRST GRADE

WALTER COCHRANE BRONSON,
ALBERT WALKER HINDS,

WILLIAM OVERTON,
BENJAH LONGLEY WHITMAN.

SECOND GRADE

CLARENCE AUGUSTUS CARR,
EDMUND DENISON CHESEBRO,
GARDNER COLBY,
CLARENCE BUCK CRAWFORD,

FRANK SIGEL DIETRICH,
GEORGE ARTHUR JEPHERSON,
JOHN KNOX,
LUCKY ALONZO LINDSAY,

DANA CARLETON MUNRO.

THIRD GRADE

GEORGE WILLIS BRECHBILL,
WAYLAND JOHNSON CHASE,
WILLIAM NELSON CHASE,
ISAAC HUDSON GILHULY,
THEODORE FRANCIS GREEN,
CHARLES CURRIER PHILLIPS,

ALFRED MERRITT QUICK,
ORMAN ERIS RYTHER,
WALTER REUBEN SCOTT,
WILLIAM WALTER WAKEMAN,
CHARLES LINCOLN WHITE,
RICHARD WRIGHT,

HERRICK PLATT YOUNG.

SPECIAL HONORS

In Greek

THEODORE FRANCIS GREEN,

HERRICK PLATT YOUNG.

In History and in Political Economy

DANA CARLETON MUNRO.

In History

WILLIAM OVERTON,

CHARLES CURRIER PHILLIPS.

In Greek, in Philosophy, and in Rhetoric and English Literature

BENJAH LONGLEY WHITMAN.

DEGREES CONFERRED IN 1887

DEGREES IN COURSE

THE DEGREE OF BACHELOR OF ARTS

ON

GEORGE WILLIS BRECHBILL,
 WALTER COCHRANE BRONSON,
 CLARENCE AUGUSTUS CARR,
 WAYLAND JOHNSON CHASE,
 WILLIAM NELSON CHASE,
 EDMUND DENISON CHESEBRO,
 HOMER CLARK,
 GARDNER COLBY,
 ARTHUR IRVING CONNELL,
 CLARENCE BUCK CRAWFORD,
 GEORGE HAZARD CROOKER,
 JOHN DEFOREST DANIELSON,
 FRANK SIGEL DIETRICH,
 GEORGE WILTON FIELD,
 ISAAC HUDSON GILHULY,
 THEODORE FRANCIS GREEN,
 JOHN HENSHAW,
 IRVING CLIFTON HICKS,
 ALBERT WALKER HINDS,

GEORGE ARTHUR JEPHERSON,
 JOHN KNOX,
 LUCKY ALONZO LINDSAY,
 DANA CARLETON MUNRO,
 JAMES FRANCIS MURPHY,
 WILLIAM OVERTON,
 CHARLES CURRIER PHILLIPS,
 GEORGE RIPLEY PINKHAM,
 PHILIP JOSEPH REID,
 WALTER REUBEN SCOTT,
 RICHARD MITCHELL SHERMAN JR.,
 WILLIAM WALTER WAKEMAN,
 HARRY FRANKLIN WALKER,
 JOSEPH WALKER,
 CHARLES LINCOLN WHITE,
 FRANK DENISON WHITE,
 BENIAH LONGLEY WHITMAN,
 RICHARD WRIGHT,
 HERRICK PLATT YOUNG.

THE DEGREE OF BACHELOR OF PHILOSOPHY

ON

WALTER ESMOND KEACH,
 ALFRED MERRITT QUICK,

HOWARD PRESCOTT QUICK,
 ORMAN ERIS RYTHER,

LOUIS FRANKLIN SNOW.

THE DEGREE OF MASTER OF ARTS

ON

FRANK HOWARD DAVIS, of the Class of 1882,
 REUBEN BROOKS POOL, of the Class of 1857,
 JEFFERSON ROWLAND POTTER, of the Class of 1877,
 HORACE WADLEIGH RICE, of the Class of 1881,
 WILLIAM HOWE TOLMAN, of the Class of 1882,

And on the following members of the Class of 1884:

FRANK HOWARD ANDREWS,	HENRY BRAYTON GARDNER,
WILLIAM BIRKET ARNOLD,	EDWIN BATES HARVEY,
CHARLES LEWIS BAKER,	WILL CLARENCE INGALLS,
WILLIAM MANUEL PERES BOWEN,	JOSEPH HARRIS JOHNSON,
FRANK MELVILLE BRONSON,	OTIS EVERETT RANDALL,
EVERETT DOUGHTY BURR,	EDWARD WHITTEN SHEDD, B. P.,
JOHN DABOLL,	FRANK EDWIN SWEET,
EVERETT BROWNELL DURFEE,	EDWARD PRATT TULLER,
ROBERT HENRY FERGUSON,	JOSIAH HOWARD VOSE,
THOMAS WESTON WOOD.	

THE DEGREE OF MASTER OF ARTS

ON

AUGUSTUS PECK CLARKE,	ROSSELL SMITH,
AMASA MASON EATON,	JOHN WINSLOW,

“In connection with the several classes of which they were members.”

HONORARY DEGREES

THE DEGREE OF DOCTOR OF DIVINITY

ON

REV. GEORGE FREDERICK WRIGHT.

THE DEGREE OF DOCTOR OF LAWS

ON

ISAAC GRANT WILSON

and

REV. JAMES PETIGRU BOYCE, D. D.

CATALOGUE LIBRARY

OF THE

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OF

BROWN UNIVERSITY

1888-9



PROVIDENCE

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1888

ISSUED, NOVEMBER, 1888.

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Calendar, 1888-89

1888	Sunday	Monday	Tuesday	Wednes.	Thursday	Friday	Saturday	1889	Sunday	Monday	Tuesday	Wednes.	Thursday	Friday	Saturday	1889	Sunday	Monday	Tuesday	Wednes.	Thursday	Friday	Saturday
July	1	2	3	4	5	6	7	Jan.	...	...	1	2	3	4	5	July	...	1	2	3	4	5	6
	8	9	10	11	12	13	14		6	7	8	9	10	11	12		7	8	9	10	11	12	13
	15	16	17	18	19	20	21		13	14	15	16	17	18	19		14	15	16	17	18	19	20
	22	23	24	25	26	27	28		20	21	22	23	24	25	26		21	22	23	24	25	26	27
	29	30	31	...	...	...	...		27	28	29	30	31	...	...		28	29	30	31	...	...	...
Aug.	...	...	...	1	2	3	4	Feb.	...	...	...	...	...	1	2	Aug.	...	...	...	...	1	2	3
	5	6	7	8	9	10	11		3	4	5	6	7	8	9		4	5	6	7	8	9	10
	12	13	14	15	16	17	18		10	11	12	13	14	15	16		11	12	13	14	15	16	17
	19	20	21	22	23	24	25		17	18	19	20	21	22	23		18	19	20	21	22	23	24
	26	27	28	29	30	31	...		24	25	26	27	28	...	...		25	26	27	28	29	30	31
Sep.	...	...	...	...	...	...	1	Mar.	...	...	...	...	...	1	2	Sep.	1	2	3	4	5	6	7
	2	3	4	5	6	7	8		3	4	5	6	7	8	9		8	9	10	11	12	13	14
	9	10	11	12	13	14	15		10	11	12	13	14	15	16		15	16	17	18	19	20	21
	16	17	18	19	20	21	22		17	18	19	20	21	22	23		22	23	24	25	26	27	28
	23	24	25	26	27	28	29		24	25	26	27	28	29	30		29	30	...	...	...	...	...
	30	...	...	...	...	...	...		31	...	...	...	...	...	...		...	...	...	...	...	...	...
Oct.	...	1	2	3	4	5	6	Apr.	...	1	2	3	4	5	6	Oct.	...	...	1	2	3	4	5
	7	8	9	10	11	12	13		7	8	9	10	11	12	13		6	7	8	9	10	11	12
	14	15	16	17	18	19	20		14	15	16	17	18	19	20		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		21	22	23	24	25	26	27		20	21	22	23	24	25	26
	28	29	30	31	...	...	...		28	29	30	...	...	...	...		27	28	29	30	31	...	...
Nov.	...	...	...	...	1	2	3	May	...	...	...	1	2	3	4	Nov.	...	...	...	...	...	1	2
	4	5	6	7	8	9	10		5	6	7	8	9	10	11		3	4	5	6	7	8	9
	11	12	13	14	15	16	17		12	13	14	15	16	17	18		10	11	12	13	14	15	16
	18	19	20	21	22	23	24		19	20	21	22	23	24	25		17	18	19	20	21	22	23
	25	26	27	28	29	30	...		26	27	28	29	30	31	...		24	25	26	27	28	29	30
Dec.	...	...	...	...	...	1	...	June	...	...	...	...	...	...	1	Dec.	1	2	3	4	5	6	7
	2	3	4	5	6	7	8		2	3	4	5	6	7	8		8	9	10	11	12	13	14
	9	10	11	12	13	14	15		9	10	11	12	13	14	15		15	16	17	18	19	20	21
	16	17	18	19	20	21	22		16	17	18	19	20	21	22		22	23	24	25	26	27	28
	23	24	25	26	27	28	29		23	24	25	26	27	28	29		29	30	31	...	...	...	...
	30	31	...	...	...	...	...		30	...	...	...	...	...	...		...	...	...	...	...	...	...

COLLEGE CALENDAR FOR 1888-89

1888

- September 5,* *Wednesday.* Annual Meeting of the Corporation.
- September 19,* *Wednesday.* Academic Year begins (third Wednesday in September).
- November 29,* *Thursday.* Thanksgiving Day. No College exercises on Thursday, Friday or Saturday of Thanksgiving week.
- Christmas Holidays, from Friday evening, December 21, 1888, to Wednesday evening, January 2, 1889.

1889

- January 24-30,* *Thursday to Wednesday.* Semi-Annual Examinations of College Classes.
- January 31,* *Thursday.* Second Half-year Begins.
- February 22,* *Friday.* Washington's Birthday. No College exercises.
- Spring Recess, from Thursday evening, March 28, to Monday evening, April 8.
- May 20-25,* *Monday to Saturday.* Examinations of Senior Class.
- May 30,* *Thursday.* Decoration Day. No College exercises.

<i>June 7-13,</i>	<i>Friday to Thursday.</i> Semi-Annual Examinations of College Classes.
<i>June 14,</i>	<i>Friday.</i> Class Day.
<i>June 16,</i>	<i>Sunday.</i> Baccalaureate Sermon.
<i>June 17,</i>	<i>Monday.</i> Sophomore Prize Declamation.
<i>June 18,</i>	<i>Tuesday.</i> Annual Meeting of the Phi Beta Kappa Society, at 9.30 A. M.
<i>June 18,</i>	<i>Tuesday.</i> Annual Alumni Meeting, in Manning Hall, at 4 P. M.
<i>June 19,</i>	<i>Wednesday.</i> One hundred and twenty- first annual Commencement (third Wednesday in June).
<i>June 20,</i>	<i>Thursday.</i> Meeting of the Corporation, in the Old Chapel, University Hall.
<i>June 20, 21, 22,</i>	<i>Thursday, Friday, Saturday.</i> Examinations for admission to College.
	Summer Vacation.
<i>September 4,</i>	<i>Wednesday.</i> Annual Meeting of the Corpora- tion, in the Old Chapel, University Hall (first Wednesday in September).
<i>September 16, 17,</i>	<i>Monday, Tuesday.</i> Examinations of Delinquents in College studies.
<i>September 16, 17,</i>	<i>Monday, Tuesday.</i> Examinations for admission to College, and to Advanced Standing.
<i>September 18,</i>	<i>Wednesday.</i> Academic Year begins.

CORPORATION

BOARD OF FELLOWS

EZEKIEL G. ROBINSON, D. D., LL. D.,

PRESIDENT, Providence.

ALEXANDER DUNCAN, A. M., London, England.

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HON. THOMAS DURFEE, LL. D., Providence.

HON. ROWLAND HAZARD, A. M., Peacedale.

REV. JOHN C. STOCKBRIDGE, D. D., Providence.

† Deceased.

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MARSHALL WOODS, A. M., Providence.

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REV. ABRAHAM H. GRANGER, D. D., Burrillville.

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JOHN G. WHITTIER, LL. D., Amesbury, Mass.

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ARNOLD B. CHACE, A. M., Valley Falls.

HORATIO N. SLATER, JR., A. M., Providence.

HON. ELIJAH B. STODDARD, A. M., Worcester, Mass.

REV. DANIEL LEACH, D. D., Providence.

RICHARD M. ATWATER, A. M., Millville, N. J.

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REV. S. DRYDEN PHELPS, D. D., New Haven, Conn.

REV. EDWARD JUDSON, D. D., New York, N. Y.

HON. JOSEPH H. WALKER, Worcester, Mass.

†ADIN B. UNDERWOOD, A. M., Boston, Mass.

JOHN CARTER BROWN WOODS, A. M., LL. B., Providence.

MORTIMER H. HARTWELL, A. B., Providence.

HON. ANDREW J. JENNINGS, LL. B., Fall River, Mass.

HON. EUSTACE C. FITZ, Chelsea, Mass.

REV. HEMAN LINCOLN WAYLAND, D. D., Philadelphia, Pa.

HON. FRANCIS A. GASKILL, A. B., Worcester, Mass.

JOSEPH P. EARLE, B. P., New York City.

HON. BENJAMIN F. THURSTON, LL. D., Providence.

HON. JAMES L. HOWARD, Hartford, Conn.

REV. SAMUEL L. CALDWELL, D. D., LL. D.,

SECRETARY OF THE CORPORATION, Providence.

ARNOLD B. CHACE, A. M.,

TREASURER, Valley Falls.

ADVISORY COMMITTEE OF THE ALUMNI

STEPHEN O. EDWARDS, A. M., LL. B., Secretary of the Alumni Association.

WILLIAM V. KELLEN, A. M., LL. B., Secretary of the Boston Alumni.

ARTHUR LINCOLN, A. M., Secretary of the New York Alumni.

CHARLES H. S. WEAVER, A. B., Secretary of the Chicago Alumni.

CHARLES R. THURSTON, A. M., Secretary of the Newport Alumni.

ADAMS P. CARROLL, B. P., Secretary of the Norwich Alumni.

HENRY H. EARL, A. M., Secretary of the Fall River Alumni.

† Deceased.

THE FACULTY

EZEKIEL GILMAN ROBINSON, D. D., LL. D.,
PRESIDENT,

Professor of Moral and Intellectual Philosophy,
72 College Street.

JOHN LARKIN LINCOLN, LL. D.,
Professor of the Latin Language and Literature,
58 Angell Street.

ALBERT HARKNESS, PH. D., LL. D.,
Professor of the Greek Language and Literature,
101 Prospect Street.

BENJAMIN FRANKLIN CLARKE, A. M.,
Professor of Mathematics and Engineering,
91 Chestnut Street.

JOHN HOWARD APPLETON, A. M.,
Newport-Rogers Professor of Chemistry,
85 Angell Street.

TIMOTHY WHITING BANCROFT, A. M.,
Professor of Rhetoric and English Literature,
13 Greene Street.

ELI WHITNEY BLAKE, A. M.,
Hazard Professor of Physics,
72 Waterman Street.

**Elton Professor of Natural Theology.*

JOHN WHIPPLE POTTER JENKS, A. M.,
Professor of Agricultural Zoölogy, and Curator of the Museum,
Middleborough, Mass.

* Instruction in Natural Theology is at present given by the PRESIDENT.

ALONZO WILLIAMS, A. M.,
Professor of Modern Languages,
10 Cushing Street.

WILLIAM CAREY POLAND, A. M.,
Assistant Professor of Greek and Latin,
7 Cooke Street.

ALPHEUS SPRING PACKARD, M. D., PH. D.,
Professor of Zoölogy and Geology,
115 Angell Street.

NATHANIEL FRENCH DAVIS, A. M.,
Assistant Professor of Mathematics,
156 Peace Street.

WILLIAM WHITMAN BAILEY, B. P.,
Professor of Natural History (Botany), and Curator of the Herbaria,
6 Cushing Street.

WINSLOW UPTON, A. M.,
Professor of Astronomy,
98 Bowen Street.

CHARLES VALUE CHAPIN, M. D.,
Professor of Physiology,
36 Olive Street.

JOHN FRANKLIN JAMESON, PH. D.,
Professor of History,
1 College Court.

HOWARD MALCOM TICKNOR, A. M.,
Instructor in Elocution,
Boston, Mass.

OTIS EVERETT RANDALL, A. M.,
Instructor in Mathematics and Civil Engineering,
37 Beaufort Street.

CHARLES ALFRED POTTER,
Assistant Instructor in Analytical Chemistry,
Cranston.

GUGLIELMO D'ARCAIS,
Instructor in Modern Languages,
Butler Exchange, 1V, 2½.

HENRY BRAYTON GARDNER, A. M.,
Instructor in Political Economy,
260 Waterman Street.

ANDREW MCCORRIE WARREN, A. M.,
Instructor in Rhetoric and Modern Languages,
55 George Street.

OTHER COLLEGE OFFICERS

Librarian

REUBEN ALDRIDGE GUILD, LL. D.,
Residence, 34 Pratt Street; Office in the Library.

Assistant Librarian

JOHN MILTON BURNHAM, A. M.,
Address, the Library.

Registrar

GILMAN PARKER ROBINSON,
Office, No. 2, University Hall.

Steward

ARCHIBALD GRANT DELANEY,
Residence, 32 Amy Street; Office, No. 7, University Hall.

THE STUDENTS

GRADUATES

AUSTEN KENNEDY DEBLOIS, A. M., 1888, { Philosophy.	Wolfville, N. S. Newton, Mass.
CHARLES EDWARD DENNIS JR. A. B., 1888, { Philosophy.	Providence, Suffield, Conn.
GEORGE GRAFTON WILSON, A. M., 1888, { History and Political Economy.	Providence, 74 Chapin Ave.

UNDERGRADUATES

SENIOR CLASS.

NAME	RESIDENCE	ROOM
Earl Newton Adams,	<i>Moravia, N. Y.,</i>	Hope, 5.
‡ William Henry Barnard,	<i>Centredale,</i>	Centredale.
Arthur Ellis Barrows,	<i>Providence,</i>	113 Bridgham St.
Bertram Sinclair Blaisdell,	<i>Providence,</i>	435 Potter's Ave.
Frederick Huntington Briggs,	<i>Boston, Mass.,</i>	University, 27.
Francis Burdick,	<i>Newport,</i>	Slater, 9.
Frank Williams Carpenter,	<i>Attleborough, Mass.,</i>	Attleborough.

‡ Not fully examined. So on the following pages.

NAME	RESIDENCE	ROOM
Frederick Everett Carpenter,	<i>Ashton,</i>	Ashton.
Louis St. Clair Colby,	<i>Orange, N. J.,</i>	Slater, 6.
Arthur Cushing,	<i>North Providence,</i>	Hope, 20.
Horace Lincoln Day, A. B.,	<i>Yarmouth, N. S.</i>	University, 54.
William Brecke Deane,	<i>Ogdensburg, N. Y.,</i>	University, 22.
Charles Arthur Denfeld,	<i>Westborough, Mass.,</i>	University, 55.
†Charles Farnsworth,	<i>Norwich, Conn.,</i>	Slater, 1.
Archibald Angus Freeman,	<i>Cortland, N. Y.,</i>	University, 9.
Sylvanus Everett Frohock,	<i>Warwick,</i>	Hope, 32.
Reginald Spinks Fyfe,	<i>Salem, Ill.,</i>	Hope, 32.
William Howatt Gardner,	<i>New Brunswick, N. J.,</i>	Hope, 41.
George Preston Grant Jr.,	<i>Central Falls,</i>	University, 43.
Ernest Lincoln Hamlin,	<i>Winsted, Conn.,</i>	29 Benevolent St.
†Charles Grant Hartsock,	<i>Lawrence, Ind.,</i>	Hope, 16.
†John Fred Humes,	<i>West Sutton, Mass.,</i>	Hope, 28.
Lauriston Hartwell Hazard,	<i>Providence,</i>	University, 19.
Ralph Wentworth Jackson,	<i>Fall River, Mass.,</i>	Slater, 20.
†Ernest Potter Jenks,	<i>No. Brookfield, Mass.,</i>	Slater, 14.
Prescott Ford Jernegan,	<i>Edgartown, Mass.,</i>	Hope, 12.
† George Farquhar Jones King,	<i>Providence,</i>	43 Waterman St.
William Gilbert Lathrop,	<i>Providence,</i>	Hope, 24.
Harry Plummer Lovewell,	<i>Providence,</i>	University, 22.
Edward Payson Manning,	<i>Raynham, Mass.,</i>	Slater, 19.
Francis Heber Mansfield,	<i>Taunton, Mass.,</i>	University, 48.
Richard Runyon Martin,	<i>Kingston, N. Y.,</i>	Hope, 24.
Robert Lewis Preston Mason,	<i>Providence,</i>	70 Congdon St.
George Packard,	<i>Providence,</i>	16 Camp St.
Henry Fenno Parker,	<i>Brockton, Mass.,</i>	Slater, 20.
Herbert Ware Parmenter,	<i>Providence,</i>	82 Prospect St.
William Samuel Pease,	<i>Providence,</i>	29 Benevolent St.
Carl Copping Plehn,	<i>Providence,</i>	127 Pleasant St.
George Porter,	<i>Bridgeport, Conn.,</i>	Slater, 5.

NAME	RESIDENCE	ROOM
Edward Harris Rathbun,	<i>Woonsocket,</i>	Slater, 3.
Herbert Ambrose Rice,	<i>Pawtucket,</i>	Pawtucket.
Edward Thompson Root,	<i>Providence,</i>	22 Mawney St.
Dennis Harvey Sheahan,	<i>Providence,</i>	138 Veazie St.
Newton Mercer Simmonds,	<i>Taunton, Mass.,</i>	University, 31.
Warren Seabury Simmons Jr.,	<i>Providence,</i>	Slater, 1.
Frank Austin Smith,	<i>Brooklyn, N. Y.,</i>	University, 21.
Ernest Gilbert Smith,	<i>Binghamton, N. Y.,</i>	Hope, 5.
Percy Dinsmore Smith,	<i>Gloucester,</i>	13 Sutton St.
David Grant Smyth,	<i>Northwood, N. H.,</i>	University, 31.
Vernon Purinton Squires,	<i>Cortland, N. Y.,</i>	University, 9.
Augustus Taber Swift,	<i>New Bedford, Mass.,</i>	University, 46.
George Eddy Warren,	<i>Newton Centre, Mass.,</i>	Slater, 7.
Arthur Lincoln Wheeler,	<i>Concord, Mass.,</i>	University, 50.
Joseph Caldwell Whipple,	<i>Malden, Mass.,</i>	University, 40.
Frank Harlow Wilds,	<i>Providence,</i>	Hope, 19.
Appleton Park Williams,	<i>Providence,</i>	179 Angell St.
John Parker Williams,	<i>Chester, Vt.,</i>	University, 44.
Nathan Manchester Wright,	<i>Johnston,</i>	Johnston.

Select Course

John Goudie Gordon,	<i>Providence,</i>	Hope, 6.
Harry Sedgwick Hathaway,	<i>Providence,</i>	118 Elmwood Ave.
Charles Goodrich King,	<i>Providence,</i>	43 Waterman St.
George Raynesford Macleod,	<i>East Providence,</i>	Slater, 11.
Richard King Wickett,	<i>Providence,</i>	16 Susan St.

JUNIOR CLASS.

NAME	RESIDENCE	ROOM
John Lincoln Alger,	<i>Bel lows Falls, Vt.,</i>	Hope, 14.
Frank Appleton,	<i>Providence,</i>	Hope, 10.
Alfred Paley Bond,	<i>Wethersfield, Conn.,</i>	Hope, 7.
Alexander Phoenix Bourne,	<i>Barrington Centre,</i>	Hope, 8.
Thomas Edwin Brown Jr.,	<i>Providence,</i>	38 Angell St.
Martin Salisbury Budlong,	<i>Providence,</i>	142 High St.
Joseph Edmund Bullen,	<i>Pawtucket,</i>	Pawtucket.
Edmund Cody Burnett, A. B.,	<i>Del Rio, Tenn..</i>	Hope, 30.
Hamilton Edgar Chapman,	<i>Pendleton Hill, Conn.,</i>	Hope, 9.
†Bela Carlyle Clapp,	<i>Pawtucket,</i>	Hope, 17.
†Henry Williams Cooke,	<i>Providence,</i>	University, 34.
James Quayle Dealey,	<i>Galveston, Tex.,</i>	Hope, 25.
William Holden Eddy,	<i>Providence,</i>	36 Bradford St.
William Grosvenor Ely Jr.,	<i>Norwich, Conn.,</i>	University, 18.
Charles Henry Forbes,	<i>Providence,</i>	Hope, 18.
Edgar Benjamin French,	<i>Pawtucket,</i>	Pawtucket.
Edwin Collins Frost,	<i>Providence,</i>	University, 32.
Stephen Grant Goldthwait,	<i>Boone, Iowa.</i>	29 Benevolent St.
Harry Linwood Grant,	<i>Providence,</i>	124 Bridgham St.
William Thomas Green,	<i>Fall River, Mass.,</i>	Slater, 18.
Frederick Taft Guild,	<i>Providence,</i>	10 Pitman St.
Charles Lee Anthony Heiser,	<i>Providence,</i>	University, 19.
Lincoln Crawford Heywood,	<i>Pawtucket,</i>	Pawtucket.
Elmer Fremont Higgins,	<i>West Boylston, Mass.,</i>	University, 32.

NAME	RESIDENCE	ROOM
Dennis Joseph Holland,	<i>Providence,</i>	50 Crary St.
Frederick Howard Hovey,	<i>Newton Centre, Mass.,</i>	Slater, 7.
Daniel Sanford Jenks,	<i>Pawtucket,</i>	Hope, 4.
Alfred Scott Johnson,	<i>East Providence,</i>	East Providence.
Joseph Mary Killelea,	<i>Ottawa, Ill.,</i>	29 Benevolent St.
Albert Eugene Kingsley,	<i>Poquonoc Bridge, Conn.,</i>	Hope 9.
Charles Wayland Lisk,	<i>Philadelphia, Pa.,</i>	University, 44.
Charles Fisk McKenzie,	<i>Winchester, Mass.,</i>	University, 41.
James McLaughlin,	<i>Danielsonville, Conn.,</i>	Hope, 41.
James Geoffrey McMurry, A.B.,	<i>Union City, Tenn.,</i>	Hope, 30.
Walter Nelson Morse,	<i>Putnam, Conn.,</i>	29 Benevolent St.
†Eugene Calvin Myrick,	<i>Providence,</i>	95 Providence St.
Lyman Churchill Newell,	<i>Pawtucket,</i>	Slater, 16.
Tracy Lansing Newton,	<i>Oakdale, Mass.,</i>	Hope, 22.
Augustus Stanton Owen,	<i>Lake Village, N. H.,</i>	Hope, 10.
Henry Robinson Palmer,	<i>Stonington, Conn.,</i>	University, 12.
Eugene Ashton Perry,	<i>Brockton, Mass.,</i>	Hope, 8.
†James Benton Porter,	<i>Bridgeport, Conn.,</i>	Slater, 5.
Edward Everett Potter,	<i>Auburn,</i>	Auburn.
Walter Ackman Presbrey,	<i>Providence,</i>	71 Broadway.
Frederick Miller Rhodes,	<i>Providence,</i>	75 Chestnut St.
Frederic Moseley Sackett Jr.,	<i>Providence,</i>	15 Greene St.
Frederic Washburne Sanford,	<i>Bristol,</i>	University, 32.
Charles Aaron Sawyer,	<i>Ellenburgh, N. Y.,</i>	University, 43.
Frank Arthur Sayles,	<i>Pawtucket,</i>	University, 19.
†Charles Humphrey Sisson,	<i>Watertown, N. Y.,</i>	53 Waterman St.
Arthur Warren Smith,	<i>Providence,</i>	Hope, 12.
Edward Clinton Stiness,	<i>Pawtucket,</i>	University, 33.
Frederick Emerson Stockwell,	<i>Providence,</i>	20 Cooke St.
Clifford Sayles Tower,	<i>Providence,</i>	115 Clifford St.
Carl Efferenn Tucker,	<i>Lockport, N. Y.,</i>	Hope, 23.

NAME	RESIDENCE	ROOM
Irving Everett Walker,	<i>Westborough, Mass.,</i>	University, 55.
Herman William Wätjen,	<i>Manchester, N. H.,</i>	Hope, 31.
George Heber Webb,	<i>Providence,</i>	832 Eddy St.
Frank Thomas Westcott,	<i>Hopedale, Mass.,</i>	79 Almy St.
Elliot Farnsworth White,	<i>Brooklyn, N. Y.,</i>	University, 25.
James Alexander Williams,	<i>Allendale, S. C.,</i>	University, 30.
Lemuel Butler Wilmarth,	<i>Upton, Mass.,</i>	281 Pine St.
Walter Harris Young,	<i>Elwood, Ill.,</i>	Hope, 39.

Select Course

Jerome Bonaparte Greene Jr.,	<i>Bristol,</i>	Hope, 6.
Seth Padelford Remington,	<i>Providence,</i>	20 Brown St.

SOPHOMORE CLASS

NAME	RESIDENCE	ROOM
Walter Evans Andrews,	<i>Freedom, N. H.,</i>	Hope, 36.
Joseph Nickerson Ashton,	<i>Salem, Mass.,</i>	Slater, 14.
John Baptiste Barbour,	<i>Hartford, Conn.,</i>	76 Doyle Ave.
William Hadley Barron Jr.,	<i>Providence,</i>	146 Cranston St.
Edwin Armington Barrows,	<i>Providence,</i>	38 Olive St.
Edward Otis Bartlett Jr.,	<i>Providence,</i>	Hope, 13.
Arthur Loring Beals,	<i>Brockton, Mass.,</i>	Slater, 15.
Edward Bailey Birge,	<i>Providence,</i>	Hope, 35.
Charles Henry Brown,	<i>New London, N. H.,</i>	Hope, 31.
Charles Davis Burrows,	<i>Providence,</i>	38 Somerset St.
Augustus Woodbury Calder,	<i>Providence,</i>	Hope, 2.
Alexander Duncan Chapin Jr.,	<i>Providence,</i>	Hope, 2.
Arthur Hutchins Colby,	<i>Orange, N. J.,</i>	Slater, 6.
Stephen Sheldon Colvin,	<i>River Point,</i>	Slater, 12.
Chester Aquilla Cook,	<i>Woonsocket,</i>	University, 16.
Arthur Barstow Cooke,	<i>Providence,</i>	60 Bowen St.
Edwin Grant Dexter,	<i>Worcester, Mass.,</i>	Hope, 10.
Herbert Luther Dunn,	<i>Providence,</i>	21 Dover St.
Seeber Edwards,	<i>Fultonville, N. Y.,</i>	24 Pitman St.
Samuel Andrews Everett,	<i>Ayer, Mass.,</i>	Hope, 15.
Martin Smith Fanning,	<i>Providence,</i>	Slater, 13.
George Hooper Ferris,	<i>Milwaukee, Wis.,</i>	Hope, 25.
Francis Edgar George,	<i>Franklin, Mass.,</i>	9 Norwich Ave.
James Martin Gillrain,	<i>Providence,</i>	Hope, 3.
Merrick Lyon Goff,	<i>Providence,</i>	83 Manning St.

NAME	RESIDENCE	ROOM
William John Green,	<i>Los Angeles, Cal.,</i>	University, 8.
Frederic Albert Greene,	<i>North Providence,</i>	Hope, 20.
John Francis Greene,	<i>Seekonk, Mass.,</i>	Slater, 12.
Ernest Abbott Hicks,	<i>Providence,</i>	500 High St.
Winthrop Drown Hilton,	<i>Providence,</i>	30 Burnett St.
Frank Leonard Hinckley,	<i>Providence,</i>	89 Waterman St.
George James Holden,	<i>Chester, Vt.,</i>	University, 13.
William Henry Hopkins,	<i>Providence,</i>	Hope, 40.
Walter Kendall Jewett,	<i>Fitchburg, Mass.,</i>	University, 41.
Albert Bushnell Johnson,	<i>Cranston,</i>	Cranston.
Ernest Henry Johnson,	<i>East Providence,</i>	East Providence.
Edward Stephen Kiley,	<i>Providence,</i>	Hope, 3.
Charles Edward Knowles,	<i>New York, N. Y.,</i>	University, 59.
Frank Dyer Lisle,	<i>Providence,</i>	24 Sackett St.
Thomas Francis McDonnell,	<i>Wickford,</i>	University, 47.
Charles Albert Meader,	<i>Pawtucket,</i>	Hope, 35.
Abram Cyrus Mendenhall,	<i>Greensborough, N. C.,</i>	Slater, 3.
Morris Lewis Messer,	<i>S. Charlestown, N. H.,</i>	Slater, 10.
John Derward Miner,	<i>East Greenwich,</i>	Hope, 44.
Robert Stanberry Olney,	<i>Cherry Valley, Mass.,</i>	University, 51.
William Howard Paine,	<i>Providence,</i>	University, 27.
Albert DeForrest Palmer,	<i>Middlebury, Vt.,</i>	University, 54.
Walter John Peacock,	<i>Worcester, Mass.,</i>	Slater, 10.
Charles Manchester Perry,	<i>Providence,</i>	University, 58.
William Benjamin Perry Jr.,	<i>Lakeville, Conn.,</i>	University, 13.
Nillo Griswold Proctor,	<i>Townsend Harbor, Mass.,</i>	Hope, 27.
Edwin Clark Reynolds,	<i>North Providence,</i>	University, 58.
Gerald Birney Smith,	<i>Middlefield, Mass.,</i>	Hope, 29.
Francis Henry Spear,	<i>Providence,</i>	160 Swan St.
Henry Joshua Spooner Jr.,	<i>Providence,</i>	3 Humboldt Ave.
Ferdinand Dutton Stidham,	<i>New Britain, Conn.,</i>	University, 47.

NAME	RESIDENCE	ROOM
Walter Lincoln Stone,	<i>Providence,</i>	15 Bacon St.
Robert Wendell Taft,	<i>Providence,</i>	79 Waterman St.
Alfred Simpson Taylor,	<i>Pawtucket,</i>	Pawtucket.
James Freebody Thompson,	<i>Providence,</i>	100 Chestnut St.
George Walker,	<i>Worcester, Mass.,</i>	Slater, 4.
John Edward Weeden 2d,	<i>Providence,</i>	Hope, 2.
William Raymer Weeden,	<i>Providence,</i>	Hope, 2.
James Lucas Wheaton Jr.,	<i>Pawtucket,</i>	University, 28.
Elmer Almy Wilcox,	<i>Providence,</i>	56 Messer St.
Edgar Lincoln Willard,	<i>Leominster, Mass.,</i>	Hope, 27.
‡Frank Edward Winsor,	<i>Lincoln,</i>	Lincoln.

Select Course

Wallace Wadsworth Gushee,	<i>Taunton, Mass.,</i>	Hope, 46.
John William Heisman,	<i>Titusville, Pa.,</i>	Hope, 40.

FRESHMAN CLASS

NAME	RESIDENCE	ROOM
George Frederick Andrews,	<i>Providence,</i>	411 Friendship St.
Neil Andrews Jr.,	<i>Providence,</i>	104 Clifford St.
Albert Leslie Barbour,	<i>Ashton,</i>	Hope, 4.
Horatio Eliphalet Bellows,	<i>Providence,</i>	148 Lockwood St.
John Frederick Blacklock,	<i>Newport,</i>	Hope, 37.
Bertram Blaisdell,	<i>Meredith, N. H.,</i>	Hope, 15.
Everett Anthony Bowen,	<i>Providence,</i>	Slater, 12.
Horatio Nelson Slater Bradford,	<i>Springfield, Mass.,</i>	Slater, 2.
James Edward Brennan,	<i>Pawtucket,</i>	Pawtucket.
Marshall Stewart Brown,	<i>Keene, N. H.,</i>	Hope, 14.
Theodore Shotwell Brown,	<i>Providence,</i>	38 Angell St.
Arthur Buffum Brownell,	<i>Providence,</i>	73 Prospect St.
Edward Ibarra Brownell,	<i>Bristol,</i>	91 Westminster St.
Herbert Carpenter Brownell,	<i>Providence,</i>	73 Prospect St.
Warren Gardner Bullard,	<i>Geneva, N. Y.,</i>	Hope, 36.
Howard Fulton Butler,	<i>West Hancock,</i>	Slater, 19.
Leonard Herbert Campbell,	<i>Providence,</i>	221 Pavilion Ave.
Walter Lincoln Chase,	<i>Middletown,</i>	Hope, 26.
James Cross Collins, Jr.,	<i>North Providence,</i>	North Providence.
William Richardson Dorman,	<i>Brooklyn, N. Y.,</i>	University, 52.
Frank Tourtellot Easton,	<i>Providence,</i>	University, 53.
John Paine Gage,	<i>Fall River, Mass.,</i>	University, 10.
Herschel Luther Gardner,	<i>Arlington,</i>	Hope, 18.
Royal Henry Gladding,	<i>Providence,</i>	138 Broadway.
Isaac Philip Greene,	<i>Portsmouth,</i>	University, 10.

NAME	RESIDENCE	ROOM
Charles Frederic Harper,	<i>Woonsocket,</i>	Woonsocket.
Albert Edward Hylan,	<i>Fremont, N. H.,</i>	Hope, 29.
John Lester Kent,	<i>Phenix,</i>	Phenix.
Wilfred Chester Leland,	<i>Providence,</i>	34 Common St.
Arthur Newton Leonard,	<i>Providence,</i>	363 Friendship St.
Louis Manson Lincoln,	<i>Providence,</i>	12 Courtland St.
John Hathaway Lindsey,	<i>Fall River, Mass.,</i>	Slater, 17.
Leland Howard Littlefield,	<i>Pawtucket,</i>	Slater, 11.
Frank Willington Matteson,	<i>Providence,</i>	Slater, 10.
Horace McFarland,	<i>Framingham, Mass.,</i>	49 Chestnut St.
Arthur Francis McGinn,	<i>Providence,</i>	64 Borden St.
Charles Henry Merriman Jr.,	<i>Nayatt Point,</i>	Hope, 1.
Edmund Munger,	<i>Xenia, Ohio,</i>	29 Benevolent St.
Edwin Lincoln Newell,	<i>Pawtucket,</i>	Slater, 16.
Gorham Noble Norton,	<i>Providence,</i>	353 Valley St.
Edward De Vallie O'Connor,	<i>Providence,</i>	187 Camp St.
Richard Olney,	<i>Cherry Valley, Mass.,</i>	University, 51.
William Henry O'Neil,	<i>Providence,</i>	10 Kepler St.
Herbert Graves Partridge,	<i>Westminster, Mass.,</i>	Hope, 37.
John Combe Pegram Jr.,	<i>Providence,</i>	23 Angell St.
James Aldrich Pirce,	<i>Johnston,</i>	314 Plainfield St.
Phineas Augustus Reccord,	<i>Fairhaven, Mass.,</i>	6 Young Ave.
Herbert Howard Rice,	<i>Providence,</i>	359 Friendship St.
George Nelson Richmond,	<i>Guilford, Vermont,</i>	Hope, 26.
Francis Mitchel Smith Jr.,	<i>Providence,</i>	200 Hope St.
James Edward Smith,	<i>Phenix,</i>	Phenix.
William Henry Smith,	<i>Fall River, Mass.,</i>	Slater, 17.
Henry Morgan Stone,	<i>Providence,</i>	24 Linden St.
Harrison Southwick Taft,	<i>Pawtuxet,</i>	Pawtuxet.
Carl Vernon Tower,	<i>Dayton, Ohio,</i>	Hope, 7.
Frank Levi Trimble,	<i>Winchester, Tenn.,</i>	Hope, 45.
Frank William Tucker,	<i>Lee, Mass.,</i>	Hope, 43.

NAME	RESIDENCE	ROOM
Alpheus Dudley Tucker,	<i>Pawtucket,</i>	Pawtucket.
Robert Northam Turner Jr.,	<i>Bristol,</i>	Hope, 22.
Benjamin Stanley Webb,	<i>Providence,</i>	University, 53.

Select Course

Abram Newell Story Estes,	<i>Fall River, Mass.,</i>	Fall River.
Herbert Forest Gould,	<i>Providence,</i>	156 Point St.
William Green Jones,	<i>Zionville, N. C.,</i>	University, 30.
Martin Wilmarth Kern,	<i>Providence,</i>	81 Chestnut St.
Charles O'Leary Jr.,	<i>Providence,</i>	7 Jackson St.
John Cranston Perry,	<i>Providence,</i>	Camp and North Sts.
Asa Watson Armington Traver,	<i>Providence,</i>	62 Williams St.
Christopher Thornton,	<i>Providence,</i>	18 Bolander St.

S U M M A R Y

Graduates	3	Sophomores	69
Seniors	63	Freshmen	68
Juniors	65		
		Total	268

CONDITIONS OF ADMISSION TO COLLEGE

The regular examinations for admission to the FRESHMAN CLASS will take place on Thursday, Friday, and Saturday of Commencement week, June 20, 21 and 22, 1889, beginning at 8 o'clock A. M. on Thursday. *Candidates must be in attendance during the three days.*

These examinations will be held in the South Room of Rhode Island Hall, *where all the candidates are to assemble on Thursday, at 8 A. M., to be registered.*

The order of the examinations will be:

THURSDAY, JUNE 20.

Mathematics, from 8.15 A. M. to 12.30 P. M.

Latin, from 2.30 to 6 P. M.

FRIDAY, JUNE 21.

Greek, from 9 A. M. to 12.30 P. M.

French, from 3 to 5 P. M.

SATURDAY, JUNE 22.

English, from 9 to 11 A. M.

There will be, as follows, a second examination in each of the above branches, on Monday and Tuesday, September 16 and 17, 1889. *Applicants must be in attendance on both days.*

MONDAY, SEPTEMBER 16.

French, North Room, R. I. Hall, from 9 to 11 A. M.

English, South Room, R. I. Hall, from 11.30 A. M. to 1 P. M.

Mathematics, North Room, R. I. Hall, from 2 to 6 P. M.

TUESDAY, SEPTEMBER 17.

Latin, North Room, R. I. Hall, from 8 to 10.30 A. M.

Greek, South Room, R. I. Hall, from 11 A. M. to 1.30 P. M.

For admission to ADVANCED STANDING, candidates must be examined in the studies already pursued by the respective classes which they propose to enter. These examinations will be held in Rhode Island Hall, also on Monday and Tuesday, September 16 and 17.

No student can be admitted as a candidate for matriculation, unless he brings suitable testimonials of good moral character. If from another college, he must also present a certificate of his standing in the college which he has left, and of regular dismissal from it.

For the Courses for the Degree of Bachelor of Arts

Candidates for admission to the Freshman Class are examined in the following subjects; but real equivalents will be received for any of the Latin or Greek works mentioned:

1, *Greek*. 1 Greek Grammar (Hadley's is preferred). 2 The Syntax and Greek Selections in Harkness's First Greek Book, or an equivalent from any other Greek Reader. 3 The whole of Xenophon's Anabasis, or five books of the Anabasis and two books of Homer; the Odyssey is

preferred. 4 The first *twenty* exercises of Arnold's Greek Prose Composition, or the first *twenty-five* exercises of Jones's Greek Prose Composition. 5 The general history of Greece to the death of Alexander.

NOTE — In place of the examination in five books of the *Anabasis* and two of Homer, candidates may, at their option, substitute an examination in translating at sight passages of ordinary difficulty from the works of Xenophon and from Homer. Candidates thus examined will be supplied with a vocabulary of the less usual words.

II, Latin. 1 Caesar, *Gallie War*, books I-IV, or books I-III and Sallust's *Catiline*, with questions on the subject-matter and on grammar. 2 Ovid, twenty-five hundred lines (Lincoln's edition). 3 Cicero, the *Orations against Catiline*, and the *Oration for Archias*, with questions, as on Caesar. 4 Vergil, *Aeneid*, books I-VI, or *Aeneid*, books I-V, and the *Eclogues*, with questions on the subject-matter and on prosody. 5 Translation, at sight, of ordinary passages from Caesar, Cicero's *Orations*, Vergil's *Aeneid* and Ovid's *Metamorphoses*, with questions on grammar, prosody, history, and antiquities, suggested by the passages assigned. 6 Translation into Latin of simple English sentences. 7 Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose. 8 Outlines of Roman Geography, and of Roman History to the end of the reign of Marcus Aurelius. It is recommended that pupils be accustomed, from the beginning of their preparatory course, to translate into Latin, both oral and written, passages prepared by the teachers on the basis of the prose authors read.

In pronouncing Latin, it is recommended that *ā* be pronounced as in *father*, *ā* as the first *a* in *apart* ; *ē* as in *prey*, *ē* as in *men* ; *ī* as in *machine*, *ī* as in *pity* ; *ō* as in *old*, *ō* as in *nor* ; *ū* as in *rule*, *ū* as in *put* ; *j* as *y* in *yard* ; *c* always as *k* in *king* ; *g* always as *g* in *get*.

Instructors in preparatory schools are urged to insist upon the use of simple and idiomatic English in the translation of Greek and Latin.

III, Mathematics. 1 Arithmetic, including the Metric System of Weights and Measures. 2 Algebra, through Equations of the Second Degree, including Arithmetical and Geometrical Progression and the use of the Binomial Formula. 3 Plane Geometry.

IV, English Composition. Candidates will each be required to write a brief composition upon a subject assigned at the time of examination. These compositions must be correct in expression and division into paragraphs, as well as in grammar, punctuation and spelling.

In 1889 the subject will be taken from one of the following works:

Shakspeare's Julius Caesar and As You Like It, Gray's Elegy Written in a Country Churchyard, Scott's Marmion, Johnson's Lives of Swift and Gray, Thackeray's English Humorists, Swift's Gulliver's Travels, Miss Austen's Pride and Prejudice, Scott's Rob Roy.

Candidates are expected to be familiar with all the above works.

Specimens of incorrect English will also be assigned for correction.

In 1890 the list will be Shakspeare's Julius Caesar and Midsummer Night's Dream, Coleridge's Ancient Mariner, Longfellow's Evangeline, Macaulay's Essay on Lord Clive, Thackeray's English Humorists, Webster's first Bunker Hill Oration, Scott's Quentin Durward, George Eliot's Silas Marner, Hawthorne's House of the Seven Gables.

In 1891, Shakspeare's Julius Caesar and Merchant of Venice, Coleridge's Ancient Mariner, Longfellow's Evangeline, Macaulay's Essay on Lord Clive, Webster's first Bunker Hill Oration, Irving's Alhambra, Scott's Old Mortality, George Eliot's Silas Marner, Hawthorne's House of the Seven Gables.

1892, Shakspeare's Julius Caesar and As You Like It, Scott's Marmion, Longfellow's Courtship of Miles Standish, Addison's Sir Roger de Coverley Papers, Macaulay's second Essay on the Earl of Chatham, Webster's first Bunker Hill Oration, Irving's Alhambra, Scott's Talisman. George Eliot's Scenes from Clerical Life, Hawthorne's House of the Seven Gables.

V, French. 1 Whitney's Grammar, Part I. 2 Bôcher's Reader, fifty pages. Real-equivalents will be accepted. An additional examination is offered to candidates desiring to enter the advanced Division of the Freshman Class.

Teachers are requested *not* to read with their classes the works read in College. Special attention should be given to pronunciation.

Preliminary Examinations

In the Preparatory studies named below, candidates may be examine one year before the time at which they intend to apply for admission to the Freshman Class. These examinations will occur, for 1889, on Thursday and Friday, June 20 and 21, *and then only*. They will be held in the *South Room of Rhode Island Hall*, and in the following order: .

THURSDAY, JUNE 20.

Arithmetic, from 8 to 10.30 A. M.

Latin, from 2.30 to 5.30 P. M.

FRIDAY, JUNE 21.

Greek, from 9 A. M. to 12 M.

The subjects will be:

I, In Greek

- 1 Greek Grammar (Hadley's is preferred).
- 2 The Syntax and Greek selections in Harkness's First Greek Book, or an equivalent from any other Greek Reader.
- 3 Three books of Xenophon's Anabasis.

II, In Latin

- 1 Latin Grammar (Harkness's is preferred.)
- 2 Caesar, or Caesar and Sallust, as on page 27.

3 Translation into Latin of simple sentences.

4 Ovid, or Cicero, or Vergil, as on page 27.

III, In Mathematics

Arithmetic, including the Metric System of Weights and Measures.

For the Courses for the Degree of Bachelor of Philosophy

Courses of instruction for this degree, as for that of Bachelor of Arts, embrace four years. Here certain studies are elective from the beginning, offering to candidates two main courses, one including classical studies, the other omitting these and presenting a larger number of mathematical and scientific studies. Both courses are susceptible of ample variation through election.

Candidates for admission to a course including *Greek* are examined in all the Greek subjects specified on pages 26 and 27. They are also examined in all the subjects in the list below.

Candidates for admission to a course including *Latin* are examined in all the Latin subjects specified on page 27. They are also examined in all the subjects, except the Latin, in the list below.

Candidates for admission to a course *omitting* classical studies are examined in the following subjects:

I, Latin

Five books of Caesar, or its equivalent in Cicero or in Vergil.

II, Mathematics

- 1 Arithmetic, including the Metric System of Weights and Measures.
- 2 Algebra, through Equations of the Second Degree, including Arithmetical and Geometrical Progression and the use of the Binomial Formula.
- 3 Plane Geometry.

III, English

Candidates will each be required to write a brief composition upon a subject assigned at the time of examination. These compositions must

be correct in expression and division into paragraphs, as well as in grammar, punctuation and spelling.

In 1889, the subject will be taken from one of the following works: Shakspeare's Julius Caesar and As You Like It, Gray's Elegy Written in a Country Churchyard, Scott's Marmion, Johnson's Lives of Swift and Gray, Thackeray's English Humorists, Swift's Gulliver's Travels, Miss Austen's Pride and Prejudice, Scott's Rob Roy.

Candidates are expected to be familiar with all the above works.

Specimens of incorrect English will also be assigned for correction.

For the subjects for 1890, 1891, and 1892, see page 28.

IV, French

1 Whitney's Grammar, Part I. 2 Bôcher's Reader, fifty pages. Real equivalents accepted. An additional examination is offered to candidates desiring to enter the advanced Division of the Freshman Class.

Teachers are requested *not* to read with their classes the works read in College. Special attention should be given to pronunciation.

SELECT COURSES

A student may pursue a select course without becoming a candidate for a degree. Each course of this kind must have the approval of the Faculty, and except in special cases, requires attendance in the class-room of at least sixteen hours per week. The candidate must be examined in the subjects preliminary to the studies which he proposes to pursue.

COURSES OF INSTRUCTION

FIRST, FOR THE DEGREE OF BACHELOR OF ARTS

FRESHMAN CLASS

First Half-Year

- 1 *Greek.* Felton's Greek Historians, Fernald's edition. Greek Composition. Smith's History of Greece. *Four hours a week.*
- 2 *Latin.* Livy (Lincoln's Selections), Books I, II, XXI, XXII. Roman History. Latin Composition. *Four hours a week.*
- 3 *Mathematics.* Geometry, Solid and Spherical. Plane Trigonometry. *Six hours a week.*
- 4 *French.* First Division. (1) The *Athalie* of Racine will be read in the class. (2) Examinations will be held upon the *Esther*, *Iphigénie* and *Phèdre* of Racine. Second Division. (1) Three books of the *Télémaque* of Fénelon will be read in the class. (2) Examinations will be held upon three additional books of *Télémaque*. Williams's *Subjunctive Mood* (both Divisions). *Two hours a week.*

Second Half-Year

- 1 *Greek.* Homer's *Iliad*. Greek Composition. *Four hours a week.*
- 2 *Latin.* Cicero, *De Senectute* and *De Amicitia*. Selections from Cicero's Epistles. Latin Composition. *Four hours a week.*

-
- 3 *Mathematics.* Spherical Trigonometry. Algebra. *Six hours a week.*
- 4 *French.* First Division. (1) The *Horace* of Corneille will be read in the class. (2) Examinations will be held upon the *Cid*, *Cinna* and *Polyeucte* of Corneille. Second Division. (1) The *Cid* of Corneille will be read in the class. (2) Examinations will be held upon the *Horace* and *Polyeucte*. *Two hours a week.*
-

SOPHOMORE CLASS

First Half Year

- 1 *Greek.* Demosthenes, Public Orations. *Two hours a week.*
- 2 *Latin.* Horace (Lincoln's edition). Latin Composition. Lectures. *Two hours a week.*
- 3 *Rhetoric.* Bancroft's Method of English Composition. A. S. Hill's Principles of Rhetoric. Essays. Principal Books of Reference; Campbell's Philosophy of Rhetoric, Whately's Elements of Rhetoric Hunt's Principles of Written Discourse and D. J. Hill's Science of Rhetoric. *Two hours a week.*
- 4 *Elocution.* Lectures and Exercises. Principal Works of Reference: Rush on the Voice, Murdoch and Russell's Vocal Culture, Hullah's The Speaking Voice, Cohen's Throat and Voice. *One hour a week.*
- 5 *Physiology.* Lectures. *Three hours a week.*
- 6 Two of the following elective studies: *
- (1) *Mathematics.* Analytical Geometry. *Three hours.*
- (2) *German.* Whitney's Brief Grammar. Exercises in German Composition. Practice in German Conversation. Whitney's Reader. *Three hours.*
-

* Choice of electives both here and in the following years is subject to the schedule of recitations. Studies elected at this point must be pursued through the year.

- (3) *French.* 1 *Le Misanthrope* and *Les Fourberies de Scapin* will be read in the class. 2 Examinations will be held upon *Le Bourgeois Gentilhomme*, *Les Femmes Savantes*, and *Les Précieuses Ridicules* of Molière. *Three hours.*
- (4) *Botany.* *Three hours.*

Second Half-Year

- 1 *Greek.* Sophocles. Lectures. *Three hours a week.*
 - 2 *Latin.* The *Agricola* and the *Germania* of Tacitus. Pliny's Letters. Latin Composition. *Three hours a week.*
 - 3 *Rhetoric.* A. S. Hill's Principles of Rhetoric. Rhetorical Study of Macaulay's Essay on Milton. Essays. *Two hours a week.*
 - 4 *Elocution.* Lectures and exercises, with Declamations. For reference, Bacon's Manual of Gesture. *One hour a week.*
 - 5 *Mechanics.* *Three hours a week.*
 - 6 Two of the following elective studies:
 - (1) *Mathematics.* Analytical Geometry. *Two hours.*
 - (2) *German.* Advanced Grammar. Exercises in German Composition. Practice in German Conversation. Whitney's Reader. *Two hours.*
 - (3) *French.* 1 *Paul et Virginie* of St. Pierre, will be read in the class. (2) Examinations will be held upon *Mérope* and *Zaïre*. *Two hours.*
 - (4) *Botany.* Lectures and field excursions. *Two hours.*
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JUNIOR CLASS

First Half-Year

- 1 *Rhetoric.* (1) Historical Outlines of the English Language. Manual of English Literature, with Study of Early English. (2) English Literature from the Fifth to the Seventeenth Cen-

tury. Principal authors referred to: in Language, Müller, Whitney, and Sayce; in Literature, Ten Brink, Taine, and Morley. *Four hours a week.* Essays and Orations, *Saturdays.*

2 *Elocution.* Private rehearsals of Orations.

3 *Chemistry.* The subject is presented under four sub-divisions: Descriptive, Experimental, and Theoretical Chemistry, and Stoichiometry. Instruction is given by text-books and by lectures. The lectures are illustrated by experiments and colored charts and by blackboard exercises. Books of reference: Fownes's Chemistry, Roscoe and Schorlemmer's Chemistry, Cooke's Chemical Philosophy. *Three hours a week.*

4 *Physics.* Lectures, illustrated by experiments, also Recitations, both oral and written. Books of reference: Atkinson's Ganot, Deschanel's Natural Philosophy, Silliman's Physics. *Five hours a week.*

5 A sufficient number of the following elective courses to make up *four or five hours a week:*

(1) *Greek.* Euripides. *Two hours.*

(2) *Latin.* Horace's *Ars Poetica*, and Selections from his Epistles. *Two hours.*

(3) *Mathematics.* Differential Calculus. *Two hours.*

(4) *German.* Schiller's Ballads. *Two hours.*

(5) *German.* German Conversation and Composition. *One hour.*

(6) *French.* A course in French Literature, with Lectures. Considerable parallel French will be assigned in this course. *Two hours.*

(7) *Engineering.* Advanced Mechanics. Lectures. *Two hours.*

Second Half-Year

1 *Logic.* Text-Book, Jevons's Elementary Lessons in Logic. Principal authors referred to: Mill, Hamilton, Bowen. *Two hours a week.*

2 *Rhetoric.* English Literature of the Seventeenth and Eighteenth

-
- Centuries. Manual of English Literature, with Study of Authors. *Three hours a week.* Essays and Orations, *Saturdays.*
- 3 *Elocution.* Private rehearsals of Orations.
- 4 *Astronomy.* Newcomb and Holden's *Astronomy*, with Lectures. Principal authors referred to: Newcomb, Young, Clerke, Langley. *Two hours a week.*
- 5 *History.* General History of Europe, from the beginning of the Middle Ages to the latter part of the Seventeenth Century. Recitations and lectures, reports by members of the class, and supplementary reading. *Three hours a week.*
- 6 A sufficient number of the following elective studies to make up *six or seven hours a week:*
- (1) *Greek.* Plato. *Two hours.*
 - (2) *Latin.* Juvenal, Persius, Terence, Latin Composition, Lectures. *Two hours.*
 - (3) *Mathematics.* Integral Calculus. *Two hours.*
 - (4) *German.* Schiller's *Jungfrau von Orleans.* *Two hours.*
 - (5) *German.* German Conversation and Composition. *One hour.*
 - (6) *Astronomy.* Supplementary course. *Two hours.*
 - (7) *Engineering.* Advanced Mechanics. Weisbach. *Two hours.*
 - (8) *Surveying.* *Three hours.*
 - (9) *Analytical chemistry.* Laboratory Practice. *Five hours.*
 - (10) *Zoölogy.* Lectures. *Two hours.* Laboratory work.* *Two hours.*
Books of Reference: Packard's *Zoölogy*, Huxley's *Anatomy of the Invertebrates*, Huxley's *Anatomy of the Vertebrates*, Gegenbaur's *Elements of Comparative Anatomy*, Packard's *Outlines of Comparative Embryology.*
 - (11) *Political Economy.* Walker's *Political Economy* with reading in standard authors. Lectures, investigations and dissertations by the class. *Two hours.*
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* Only for those who also take the Lectures.

SENIOR CLASS

First Half-Year

- 1 *Intellectual Philosophy.* Lectures. Essays by the class. Sir William Hamilton's Lectures on Metaphysics, Kant's Critique of Pure Reason (expositions of Mahaffy, Caird, Stirling and Morris), Wayland's Intellectual Philosophy, Porter's The Human Intellect, Sully's Outlines of Psychology. *Four hours a week.*
- 2 *History.* The Constitutional and Political History of England and the United States. Recitations and lectures, reports by members of the class, and supplementary reading. After this year, the History of Continental Europe, England, and the United States, from the latter part of the Seventeenth Century. *Three hours a week.*
- 3 *Agricultural Zoölogy* (required for students on state scholarships). *One hour a week.*
- 4 A sufficient number of the following elective studies to make up *six, seven or eight hours a week* for students on state scholarships, *seven, eight or nine* for all others.
 - (1) *Greek.* Demosthenes, Oration on the Crown. Plato. Lectures. *Five hours.*
 - (2) *Latin.* Lucretius, with Lectures. *Three hours.*
 - (3) *Advanced Mathematics.* Theory of Equations. *Two hours.*
 - (4) *German.* Goethe's *Iphigenie*. Lectures on German literature. *Three hours.*
 - (5) *Engineering.* Advanced Mechanics, Weisbach's. Graphical Analysis. *Two hours.*
 - (6) *Analytical Chemistry.* Laboratory Practice. *Five hours.*
 - (7) *Geology.* Lectures. *Two hours.* Laboratory work. *Two hours.*
Books of Reference: Dana's New Text-book of Geology, Dana's Manual of Geology, Le Conte's Elements of Geology.
 - (8) *International Law*, and the External Relations of European and American States in recent years, with introductory lectures upon the History of Roman and English Law. Recitations, lectures, and reports in class. *Two hours.*

- (9) *Advanced Political Economy.* History of Political Economy, and Special Topics. Lectures, reading, and dissertations by the class. *One hour.*

Second Half-Year

- 1 *Moral Philosophy.* Lectures, with essays by the class. Robinson's Principles and Practice of Morality, with references to numerous authors. *Five hours a week.*
Natural Theology, and Evidences of Christianity, by Lectures.
- 2 A sufficient number of the following elective studies to make up seven, eight or nine hours:
- (1) *Lectures on the History of Philosophy.* *Two hours.*
 - (2) *Latin.* The *Annales* and *Historiae* of Tacitus, with Lectures. *Three hours.*
 - (3) *Advanced Mathematics.* *Two hours.*
 - (4) *English Literature of the Nineteenth Century and American Literature.* Class-room Debates. Tennyson's *Idyls of the King.* *Three hours.*
 - (5) *German.* Goethe's *Faust*, with Lectures. *Three hours.*
 - (6) *Italian.* *Four hours.*
 - (7) *Spanish.* *Four hours.*
 - (8) *Engineering.* *Two hours.*
 - (9) *Analytical Chemistry.* Laboratory Practice. *Five hours.*
 - (10) *Physics.* Laboratory Practice.* *Four hours.*
 - (11) *Geology* (continued). Lectures, with a short course on *Archaeology* and *Ethnology.* *One hour.*
 - (12) *Political Science.* The Constitution of European and American States, together with a history of their internal politics during recent years. Lectures, recitations, and reports in class. *Three hours.*

*See p. 45.

SECOND, FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

FRESHMAN CLASS

First Half-Year

- 1 **Mathematics.** Geometry Solid and Spherical. Plane Trigonometry.
Six hours a week.
- 2 **Mathematics.** Geometrical Problems. *Four hours a week.*
- 3 **French.** First Division. (1) The *Athalie* of Racine will be read in the class. (2) Examinations will be held upon the *Esther*, *Iphigénie*, and *Phèdre* of Racine. Second Division. (1) Three books of the *Télémaque* of Fénelon will be read in the class. (2) Examinations will be held upon three additional books of *Télémaque*. Williams's Subjunctive Mood (both Divisions.)
Two hours a week.
- 4 One of the following courses. *Four hours a week.*
 - (1) **Greek.** Felton's Greek Historians, Fernald's Edition. Greek Composition. Smith's History of Greece.
 - (2) **Latin.** Livy (Lincoln's Selections). Books I, II, XXI, XXII. Roman History. Latin Composition.
 - (3) a. *Physical Geography* and *English*. *Three hours.* b. *Free-hand Drawing*. *One hour.*

Second Half-Year

- 1 **Mathematics.** Spherical Trigonometry. Algebra. *Six hours a week.*
- 2 **Mathematics.** Surveying and Mensuration. *Four hours a week.*
- 3 **French.** First Division. (1) The *Horace* of Corneille will be read in the class. (2) Examinations will be held upon the *Cid*, *Cinna* and *Polyeucte* of Corneille. Second Division. (1) The *Cid* of Corneille will be read in the class. (2) Examination will be held upon the *Horace* and *Polyeucte*. *Two hours a week.*

- 4 One of the following courses. *Four hours a week.*
- (1) *Greek.* Homer's Iliad. Greek Composition.
 - (2) *Latin.* Cicero, *De Senectute* and *De Amicitia*. Selections from Cicero's Epistles. Latin Composition.
 - (3) a. *English.* Three hours. b. *Free-hand Drawing.* One hour.

SOPHOMORE CLASS

First Half-Year

- 1 *Rhetoric.* Bancroft's Method of English Composition. A. S. Hill's Principles of Rhetoric. Essays. Principal Books of Reference: Campbell's Philosophy of Rhetoric, Whately's Elements of Rhetoric, Hunt's Principles of Written Discourse, and D. J. Hill's Science of Rhetoric. *Two hours a week.*
 - Elocution.* Lectures and Exercises. Principal Works of Reference: Rush on the Voice; Murdoch and Russell's Vocal Culture; The Speaking Voice, Hullah; Throat and Voice, Cohen. *One hour a week.*
 - 3 *Physiology.* Lectures. *Three hours a week.*
- One of the following courses: *
- | | |
|---|--|
| 1 <i>Greek or</i>
<i>Latin, two hours.</i>
<i>Chemistry, three hours.</i>
<i>Two electives, six hours.</i> | (2) <i>Greek or</i>
<i>Latin, two hours.</i>
<i>Three electives, nine hours.</i> |
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| (3) <i>Descriptive Geometry, four</i>
<i>hours.</i>
<i>Two electives, six hours.</i> | (4) <i>Chemistry, three hours.</i>
<i>Two electives, six hours.</i> |
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* A course begun this half-year must be continued the next. Courses (1) and (4) are preparatory to the study of Analytical Chemistry.

The electives available for above courses are as follows:

- (a) *Mathematics.* Analytical Geometry. *Three hours.*
- (b) *German.* Whitney's Brief Grammar. Exercises in German Composition. Practice in German Conversation. Whitney's Reader. *Three hours.*
- (c) *French.* 1 *Le Misanthrope* and *Les Fourberies de Scapin* will be read in the class. 2 Examinations will be held upon *Le Bourgeois Gentilhomme*, *Les Femmes Savantes* and *Les Precieuses Ridicules* of Molière. *Three hours.*
- (d) *Botany.* *Three hours.*

Second Half-Year

- 1 *Mechanics.* *Three hours a week.*
- 2 *Rhetoric.* A. S. Hill's Principles of Rhetoric. Rhetorical Study of Macaulay's Essay on Milton. Exercises in Rhetorical Criticism. Essays. *Two hours a week.*
- 3 *Elocution.* Lectures and Exercises, with Declamations. For Reference, Bacon's Manual of Gesture. *One hour a week.*
- 4 One of the following courses:
 - (1) *Analytical Chemistry*, *five hours.* (2) *Greek or Latin*, *three hours.*
 - Three electives, six hours.*
 - (3) *Shades, Shadows, and Linear* (4) *Analytical Chemistry*, *five hours.*
 - Perspective*, *six hours.* *Two electives, four hours.*
 - Two electives, four hours.*

The electives available for the above courses are as follows:

- (a) *Greek.* Sophocles. Lectures. *Three hours.*
- (b) *Latin.* The *Agricola* and the *Germania* of Tacitus. Pliny's Letters. Latin Composition. *Three hours.*
- (c) *Mathematics.* Analytical Geometry. *Two hours.*
- (d) *German.* Advanced Grammar. Exercises in German Composition. Practice in German Conversation. Whitney's Reader. *Two hours.*

(e) *French.* 1 *Paul et Virginie* of St. Pierre will be read in the class.

2 Examinations will be held upon *Méropé* and *Zaïre*. *Two hours.*

(f) *Botany.* Lectures and field excursions. *Two hours.*

JUNIOR AND SENIOR YEARS

From this point, the end of the Sophomore year, the courses for the degree of Bachelor of Philosophy are identical with those for the degree of Bachelor of Arts [see pages 32-36], except that candidates for the degree of Bachelor of Philosophy who have taken Course (1) or Course (4) in the Sophomore year [see page 40], must in the first term of Junior year take Analytical Chemistry *five hours*, and one elective of *two hours*, in place of Chemistry, *three hours*, and two other electives, *four hours*.

DEPARTMENTS OF PRACTICAL SCIENCE

Departments of Practical Science have been established in the University for the benefit of students who wish to prepare themselves for such pursuits as require special knowledge of the mathematical and physical sciences and the application of these to the industrial arts.

In these departments provision has also been made for courses of instruction in "such branches of learning as are related to Agriculture and the Mechanic Arts." This provision has been made in accordance with an "Act of Congress granting lands for the establishing of Agricultural Colleges," and with "Resolutions of the General Assembly of the State of Rhode Island accepting these lands, and assigning the same to Brown University." Students who enter for these studies only, either in full or in part, are subject to the same conditions of admission as for any select course; and when they have duly pursued such studies, they will be entitled to a certificate stating the time of their residence at the University, and the amount of their acquisitions. They may, however, pursue these studies in connection with the "regular scientific and classical studies of the University," and when they have so pursued them as to fulfill the requirements for the degree of Bachelor of Arts or of Bachelor of Philosophy, they will be entitled to such degree.

I, CHEMISTRY APPLIED TO THE ARTS

The Chemical Laboratory is open to students, except on Saturdays, from 8.30 A. M. to 2.30 P. M.

It is the design of this Department to teach students Analytical Chemistry, and then to direct their studies to the practical applications of Chemistry. Attention is given to Metallurgy, Medical Chemistry, Agricultural Chemistry, and the application of Chemistry to manufacturing processes.

The course is not confined to undergraduates, other persons, if prepared to pursue the study to advantage, being admitted to the Laboratory; but a knowledge of the general principals of Chemistry is absolutely necessary to profitable study in this Department.

The following Courses of one term each are open to students; but in

the selection of courses in other than the prescribed order, the consent of the Professor of Chemistry must first be obtained:

Course A. — For beginners. This course includes Descriptive Chemistry, Experimental Chemistry, Theoretical Chemistry and Stoichiometry.

Course B. — Qualitative Analysis.

Course C. — Quantitative Analysis begun.

Course D. — Advanced Quantitative Analysis. This course includes laboratory work in the assaying of metallic ores; the Analysis of Agricultural Materials including Commercial Fertilizers; the testing of Chemicals used in textile establishments, etc.

Course E. — Organic Chemistry.

Course F. — Scouring and Dyeing of wool.

The text-books used are:

Appleton's Qualitative Chemical Analysis, Appleton's Quantitative Chemical Analysis, Roscoe's Lessons in Elementary Chemistry, Foye's Chemical Problems, Cairns's Quantitative Analysis, Remsen's Organic Chemistry.

II, ENGINEERING

The full course in this Department occupies four years, but a longer or a shorter course may be pursued if the student so elects. Those not wishing to pursue the full course will find the studies so arranged that the knowledge and practice acquired in a partial course will be practical and available. Ample provision will be made for the instruction of any who desire a more extended course than is here indicated in Engineering and in Higher Mathematics.

The following is the order of study for the regular course:

First Year. Algebra and Geometry; the use of mathematical instruments, including Line Drawing, Pen Shading, Plane Geometrical Problems with graphical construction of the same; Free-hand Drawing and Shading; use of Mathematical tables; Trigonometry and its application to the measurement of areas, and Surveying, including the theory and adjustment of instruments, field practice and plotting surveys.

Second Year. Analytical Geometry; Descriptive Geometry; Shades and Shadows; Linear Perspective, and Isometrical Drawing.

Third Year. Differential and Integral Calculus; Theory of Structure, embracing the construction of Foundations, Stone and Brick Masonry and detailed drawings of the same, with Lectures; Weisbach's

Mechanics, or Mahan's Civil Engineering; and Graphical Analysis of Strains on Roof and Bridge Trusses.

Fourth Year. Weisbach's Mechanics; Hydraulics, embracing the structure and use of hydraulic machines, the investigation of the laws which govern the flow of water from reservoirs and the flow of water in rivers, canals, and conduit pipes, and water used as a motor; Trigonometrical calculation and Geometrical Representation of the strain on trusses and girders; drawing of Plans, Profiles, Elevations and Sections; construction of machinery and bridges, and drawings of the same; strength of materials used in construction; estimation of the resistance of friction and rigidity.

Students desiring admission to this course are subjected to an examination on the same amount of Mathematics as is required of candidates entering for a degree.

III, PHYSICS

The Laboratory of the Department of Physics offers instruction during the second half-year to a limited number of students, who show special aptitude for this study, and are desirous of familiarizing themselves with the construction and use of physical apparatus and with the means of investigation.

A course of experiments in Sound, Light, Heat, and Electricity, involving the principal phenomena and the most important methods of measurements, has been arranged with reference to the needs of beginners. Apparatus available for more advanced students and for researches has been recently purchased, with the view of meeting the demand for special instruction in Physics.

IV, BOTANY

Instruction in Botany is given by means of lectures and laboratory practice. Students are taught to make illustrative drawings from nature, to reason and compare.

Each student of Botany is expected to pay a small fee for the cost of specimens used in class-work.

At the proper seasons, excursions are made, under the guidance of the Professor, to neighboring points of botanical interest. At such times students are shown how to collect and preserve specimens.

The Herbaria

The original collection presented by the will of the late Stephen Thayer Olney numbers about forty thousand specimens. It illustrates American Botany, and is particularly rich in the plants of Rhode Island. To it have been added within a few years the collection of Mr. James L. Bennett, of Providence, that of Dr. C. M. Brownell, of Hartford, and a cosmopolitan collection of ferns, the property of the late Wm. Stout, of New York. These additions, with those made by the curator, greatly enhance the value of the Herbarium.

Under proper restrictions the Herbaria are made accessible to students and the public, for the determination and comparison of species. Every courtesy will be extended to visiting botanists who desire to consult them.

V, ZOÖLOGY AND GEOLOGY

Zoölogy is taught by lectures, frequent examinations, and laboratory work. It is the aim to adapt the lectures to the needs of the general student. It is taken for granted that no liberally educated person should be without a general knowledge of the principles of Biology, the laws of Animal Morphology, the relations of animals to the world about them and to man, and the probable mode of their origin.

The laboratory work is a course on Comparative Anatomy. The student is required to draw and to dissect the most important types of the animal kingdom; viz., a starfish, clam, lobster, grasshopper, beetle, butterfly, a fish, frog, bird, and mammal. He is required to examine and draw portions of the skeleton of each type of vertebrates, including a comparative study of limbs. The structure of cells and of the Protozoa as well as of the sponges is demonstrated. The course is designed to be of value to one intending to study medicine.

Special facilities will be offered to any one desiring to do more advanced work in Zoölogy.

Specimens of the following rarer types have lately been added for use in this department: African lung fish (*Protopterus*), *Polypterus*, *Siren Amphiuma*, *Cæcilia*, and a skin and skeleton of the Australian spiny ant-eater (*Echidna*); also skeletons and other osteological preparations of fishes, batrachians, lizards, birds and mammals. Collections illustrating the invertebrate, crustacean, fish, amphibian, reptilian and bird-fauna of Rhode Island have been set apart in the Museum; and val-

uable histological and embryological preparations have been lately added.

Instruction in Geology is given by means of lectures, laboratory work and field excursions, with especial reference to the geology, structural and economic, of Rhode Island. The lectures are illustrated by diagrams, models in wood and plaster, and fossils. During 1885, the palæontological collection was rearranged and labelled for the use of students. The fossil flora of Rhode Island is fully represented.

The laboratory work comprises an elementary course in Mineralogy, and Lithology. Many duplicate crystals have been purchased, and the students are allowed to use them freely in their work. A special collection of Rhode Island minerals and rocks has been formed.

Instruction in Physical Geography is given by lectures and examinations, and the course is illustrated by maps and models.

VI, AGRICULTURE

The course of instruction in Agriculture includes the courses in the preparatory branches, Chemistry, and Physics, Botany, Physiology, Zoölogy and Comparative Anatomy. It also embraces special lectures on Agriculture. These relate to the study of soils and to applied Economic Zoölogy. The course of instruction is illustrated by specimens from the Museum of Natural History and by field excursions. Further, practical instruction is given in obtaining and preserving specimens and in taxidermy.

MUSEUM OF NATURAL HISTORY AND ANTHROPOLOGY

IN RHODE ISLAND HALL

The Museum is under the curatorship of Professor John W. P. Jenks.

The collection includes chiefly the departments of Zoölogy, Geology and Mineralogy, though considerable space in the upper portion of the Hall is devoted to Botany, Ethnology and Archæology.

The department of Zoölogy is arranged according to the more modern methods of classification, beginning with the sponges and ending with the mammals; and it includes materials not only for general work but for special investigation. So far as possible, there have been placed on exhibition, *separate* from the synoptic collections, local collections representing the fauna of the State. Students giving special attention to Zoölogy are allowed to take from the cases such material as they may need, the aim *always* being to make the Museum not an exhibition room only but a place for work.

The department of Geology includes, besides the systematically arranged collection of fossils, a valuable collection illustrating the carboniferous flora of Rhode Island and the tertiary flora of the West. These fossils have been authoritatively named by Professor Leo Lesquereux, a few being species new to science.

The Mineralogical department has several thousand specimens, many of which are almost daily in use by the laboratory students.

The greater part of the botanical collection has been transferred to the Herbarium, though the Museum still retains a large collection of native and exotic woods. In the ethnological department are many rare implements from the South Seas, as well as from the Arctic Regions, the Western Plains and Mexico. Archæology is represented by many instructive objects, once the property of now extinct races.

LIBRARY

The College Library dates from the year 1767, when the Rev. Morgan Edwards collected books for it in England. In 1843, when the Catalogue was printed, and soon after its removal from University Hall to Manning Hall, it contained ten thousand volumes. In 1878, the date of its location in the new Library Building, it contained fifty thousand volumes. It now numbers sixty-six thousand, five hundred and ninety-five bound volumes, in addition to a large and valuable collection of pamphlets.

Nearly all the volumes are well bound, and many of them are rare and costly. A large portion have been carefully selected from year to year with special reference to the wants of professors and students, to aid in literary, scientific, and historical research. The books are arranged in alcoves according to subjects, and free access is allowed to the shelves. Upon the tables in the centre of the building are placed the standard periodicals, American and foreign, relating to the different departments of study, and behind them, conveniently arranged, are books of reference.

The Library is open in term time *each week-day, except Saturday, from 10 to 4; on Saturdays from 10 to 1; during vacations on Saturdays only.*

Members of the Corporation and of the Faculty, also every donor residing in Providence, of five hundred dollars or more to the funds of the University, may use the Library without charge. The Library Committee can grant this privilege to others, but by vote of the Corporation, persons other than the above, including students and graduates, pay therefor the sum of five dollars each per annum.

The Harris Collection of American Poetry, bequeathed to the University by the late Hon. Henry B. Anthony, has been transferred to the special room in the Library designated for it, and catalogued.

The following is a list of the donors to the Library from October 10, 1887, to October 8, 1888, the residence of each person named being Providence, unless otherwise indicated:

Augustus L. Abbott, St. Louis; Dr. Samuel W. Abbott, Boston; Hon. Nelson W. Aldrich; American Association for the Advancement of Science; American Antiquarian Society, Worcester; American Baptist Missionary Union; American Pharmaceutical Association; American Philosophical Association; Rev. Prof. E. B. Andrews, Ithaca; President

James B. Angell, Ann Arbor; Prof. J. H. Appleton; Rev. Dr. Thomas Armitage, New York; Edward H. Ammidown, New York; J. N. Arnold; Trustees of Astor Library, New York; H. R. Barker; J. L. Batchelder, Chicago; Brig.-Gen. S. V. Benet, Washington; Stephen Berry, Portland; William Blackwood & Sons, Edinburgh; Frank E. Bliss, Brooklyn; Rev. Dr. George D. Boardman, Philadelphia; Boston, per City Messenger; Boston Public Library; Rev. Dr. James P. Boyce, Louisville; Mrs. Abby I. Bulkley, Brooklyn; Horatio C. Burchard, Washington; Royal Society of Canada; Geological and Natural History Survey of Canada; Hon. George M. Carpenter; Chicago Board of Trade; Cincinnati Chamber of Commerce; Public Library of Cincinnati; Rhode Island Society of Cincinnati; Gardner Colby, Orange; Coast and Geodetic Survey, Washington; Dr. Abraham Coles, Newark; Charles Congdon, New York; Committee on the 250th Anniversary of Dedham; James H. Dodge, Boston; Charles T. Dorrance; William D. Ely; Dr. William Everett, Cambridge; A. A. Folsom, Boston; Joseph Foster, London; Valentine Mott Francis, New York; Franklin Society, per President; William Gammell; Glasgow University Library; Grand Lodge of Massachusetts; Grand Lodge of Iowa; Dr. Samuel A. Green, Boston; Librarian R. A. Guild; Harvard University Observatory; Harvard University Library; Rev. Henry A. Hazen, Washington; Librarian M. R. Hamilton, Trenton; Col. Rush C. Hawkins, New York; J. Buchanan Henry, New York; David W. Hoyt; Illinois University, Urbana; Prof. J. W. P. Jenks; Major H. V. A. Joslin; Dr. W. W. Keen, Philadelphia; William V. Kellen, Boston; Oliver Kendall; Francis Lawton, New York; J. R. Leeson, Boston; J. Erastus Lester; Mrs. J. S. Lincoln; B. M. Llong, Sacramento; Dr. J. S. Lombard, London; E. D. McGuinness; R. A. Macfie, Dreghorn; Dr. John M. Maisch, Philadelphia; Librarian B. P. Mann, Washington; Massachusetts Historical Society, Boston; Massachusetts State Library, Boston; Massachusetts State Board of Health, Boston; James E. Mauran, New York; Sydney D. Maxwell, Cincinnati; Meteorologische Institut, Sweden; Michigan State Board of Agriculture; Edward A. Moseley, Washington; Prof. E. Muybridge, Philadelphia; New York State Survey, Albany; New York Union League Club; Ansel D. Nickerson, Pawtucket; Trustees of Peabody Education Fund; Dr. George B. Peck; John Peirce; Hon. H. B. Peirce, Boston; Pennsylvania State College, Harrisburg; J. O. Halliwell Phillips, London; H. T. Pierson, Albany; Providence City Government; Providence, per City Messenger; Prof. T. W. Putnam, Salem; Regents of the University, Albany; Rhode Island Historical Society; Rhode Island State Board of Health; Rhode Island Grand Army of the Republic; Rhode Island Society of Cincinnati; H. M. Romiero, Washington; Royal Society of Canada; Rev. Dr. George W. Samson, New York; Sawyer Free Library, Gloucester; Mrs. E. A. Shepard; Prof. H. B. Small, Ottawa; Roswell Smith, New York; Smithsonian Institution, Washington; Society of Arts, London; Thomas B. Stockwell; George F. Stone, Chicago; Rev. Dr. A. H. Strong, Rochester; Mrs. Eliza

Thompson, Stanford; Librarian C. B. Tillinghast, Boston; Lieut. E. P. Tobie, Pawtucket; W. L. Trenholm, Washington; Prof. Winslow Upton; United States Commission of Fish and Fisheries; Lady Vernon, per Henry Frowde, London; Mrs. Frances J. Vinton; Dr. J. D. Vinton; Philadelphia; Dr. Samuel B. Ward, Albany; Washington — Department of the Interior, Treasury Department, Department of State, War, Army, Navy, and Agriculture, Bureau of Navigation, Commissioners of Labor, Bureau of Education, etc.; Librarian A. W. Whelpley, Cincinnati; Rev. F. T. Whitman, Allston; W. H. Whitman, Boston; Prof. Alonzo Williams; George Williams, London; Wool Manufacturers' Association, Boston.

PUBLIC WORSHIP

The exercises of every day commence with reading of Scripture, singing and prayer in the College Chapel. All students are also required to attend public worship on Sunday, each one reporting to the President at the beginning of the term the church which he will attend.

COLLECTION OF PORTRAITS

Through the liberality of its friends, the College has been presented with a large number of portraits. Most of them are hung in Sayles Hall the rest in apartments of the other College buildings. The collection includes portraits of benefactors of the University, of some of its former officers, and of other men distinguished in the earlier or the more recent history of Rhode Island. It has been greatly enriched in late years by portraits presented through a committee appointed by the Alumni, "for the purpose of procuring and placing within the walls of Brown University, the portraits of her Presidents, Professors, distinguished graduates and benefactors."

GYMNASIUM

By vote of the Corporation the bequest (\$50,000) of the late Daniel W. Lyman to the University will be devoted to the construction of a Gymnasium. The Alumni have contributed \$30,000 in addition for its maintenance. Pending the settlement of the Lyman estate the authorities of the College have made arrangements whereby all students who desire, may enjoy, at moderate cost to themselves, the best facilities which the city affords for gymnastic exercise, with varied apparatus of the most approved patterns, and under a competent instructor.

READING ROOM

The Sears Reading Room Association of students occupies a large, commodious and well-lighted room, conveniently situated on the first floor of University Hall, fitted up especially for this use, and supplied with all the most important newspapers, daily and weekly, as well as with a variety of the more popular periodicals. The learned reviews may be consulted in the Library.

EXAMINATIONS, STANDING AND HONORS

SEMI-ANNUAL EXAMINATIONS

Examinations of all the classes are held at the close of each half-year, nearly all of them written. A student cannot be admitted to the final examination in any study for any half-year, unless his term standing in that study shall have been at least fifty per cent. If, upon examination in a given study, a student receives a mark which is less than fifty per cent. he fails to pass in that study, and must prepare himself for a subsequent examination. Any student who fails at two or more regular examinations, covering in the aggregate more than half the work of the term, forfeits his connection with his class, unless his term standing in at least one-half the work upon which he has failed has reached sixty per cent. Students delinquent in examinations upon the studies of the first half-year are re-examined on the Tuesday at the close of the ensuing spring recess (for 1889, April 9). Students delinquent at the close of an academic year *must be re-examined on the Monday and Tuesday imme-*

diately preceding the beginning of the next (for 1889, September 16 and 17). They must be in attendance on Monday morning. Delinquents in any of the examinations of a given year are not permitted to take up the studies of the next, until they have passed all such examinations. Seniors failing at any of their last regular examinations must be re-examined within ten days. The mark for a second examination is in all cases averaged with that of the first.

ABSENCES FROM COLLEGE EXERCISES

A limited number of absences is allowed each student both from chapel services and from recitations, for which he need render no excuse. Students are, however, desired and encouraged not to avail themselves of this permission except as strictly necessary, high commendation being given on term reports to those who have been perfectly punctual, and mention made of every one who has used less than twenty-five per cent. of the absences allowed him. Every absence beyond the limit, unless from sickness certified by a physician or from such other cause as the President or the Faculty may deem sufficient, incurs ten demerits. Fifty such demerits cause suspension or dismissal, at the discretion of the Faculty.

REPORTS OF PROFICIENCY

A careful record is kept of the proficiency of every student in the College in each of his studies. At the close of a half-year the members of each class are arranged in four grades according to their respective average standings *for that half-year*. The first grade contains as nearly as possible one-tenth of the class, the second two-tenths, the third three-tenths, the fourth the remainder of the class, except those who are deficient in any study or studies. At the same period a report is sent to the parent or guardian of every student, indicating his standing in each of his studies for the half-year, and the number of the grade in which he stands, also announcing his deficiency in any study or studies if such exists.

APPOINTMENTS FOR COMMENCEMENT

These are made as follows: A number not exceeding three-fifths of the class about to graduate are appointed, according to rank, to prepare orations. The orations must be handed to the Professor of Rhetoric on or before the fourth Wednesday in April. Among these orations the Professor designates those, not less than half, which in his opinion possess the greatest merit. These are then referred to a committee consisting of the President of the University, the Professor of Rhetoric, and a third member elected each year by the Faculty, and this committee determines which of them, not above ten in number, shall be delivered at Commencement.

CLASS HONORS

There are three grades of class honors, comprising in each class all those students whose rank for their entire course places them in the first six-tenths of the class. The first grade contains as nearly as possible one-tenth of the class, the second two-tenths, the third three-tenths. Alphabetical lists of the several grades are printed upon the Commencement programme when the class graduates, and in the Catalogue of the ensuing year.

SPECIAL HONORS

By fulfilling the following conditions a student may, in any department, obtain special honors: 1 Securing the permission of the Faculty to study for such honors. 2 Pursuing all the elective studies in the given department. 3 Prosecuting a special course of reading under the direction of the Professor in charge of the same. 4 Maintaining an average standing in the department, of at least ninety-five per cent. of the maximum. 5 Passing any special examinations required. The names of students thus obtaining honors are printed on the Commencement programme when they graduate, and in the Catalogue of the ensuing year.

GRADUATE DEGREES

1, MASTER OF ARTS

After Commencement, 1890, the following rules will be observed: 1 The degree of Master of Arts, except as an honorary degree, will be conferred only on the condition that the candidate, already a Bachelor of Arts, has completed a thorough course, approved by the Faculty and by the Board of Fellows, of liberal graduate study, sufficient in amount to constitute a fifth year of College work, and has passed satisfactory examinations thereupon. 2 By continuous residence at College, candidates fulfilling the above conditions, may receive the degree in one year from graduation, but in cases of partial or entire non-residence, at least two years will be required. 3 Every candidate for the degree will be charged the sum of five dollars on announcing his candidacy, and the same fees while in residence as are paid by undergraduates. When the degree is conferred, resident candidates will pay the additional sum of ten dollars non-residents the sum of twenty dollars.

II, DOCTOR OF PHILOSOPHY

This degree will be conferred under the following conditions: The candidate must be a Bachelor of Arts or of Philosophy. He must have resided at the University at least two years after graduation, pursuing a systematic course of study approved by the Faculty and the Board of Fellows, and sustaining satisfactory examinations on the same, concluding his course with a thesis giving evidence of high scholarship and of special excellence in the studies pursued. To receive this degree one must have a good knowledge of Latin, French and German, unless for sufficient reasons the Board of Fellows shall make special exceptions. The fee for instruction will be the same as to undergraduates; that for the degree, ten dollars.

EXPENSES

The necessary College expenses for the year are as follows:

	LOWEST.	HIGHEST.
Tuition,	\$100 00	\$100 00
Rent, single room,	32 00	70 00
Rent, suite,	85 00	155 00
Use of Library,	5 00	5 00
Registrar's salary,	4 00	4 00
Public fuel and printing,	14 00	14 00
Servants' hire for those not residing in College,	6 00	6 00
Servants' hire for residents in College,	20 00	30 00

The charge for public fuel is to cover the expense of heating recitation rooms, halls, etc.; that for servants' hire, the cost of caring for the same. The printing referred to is of examination papers, programmes of recitations and the like.

Each room in University and Slater Halls has its gas meter, and occupants are charged for the actual amount of gas which they consume.

Every candidate for a degree pays, upon admission to College, a matriculation fee of \$5.00.

The total expenses of students per year will vary, of course, according to their habits, tastes, and means, some students expending more than double, even more than treble, the amounts of others.

Students needing to increase their incomes through their own exertions often find in the city opportunities for doing so, by giving private instruction, by teaching in evening schools, and in other occupations not inconsistent with their duties.

The Corporation, at its annual meeting Sept. 3d, 1884,

"*Resolved*, That the requirement of advanced payment of term bills shall be strictly enforced; and that for all term bills remaining unpaid at the end of six weeks, either some security for their payment by bond or note, satisfactory to the Treasurer, shall be given, or the delinquent shall be required to leave College."

Board is not furnished at the College, but a list, kept by the Registrar, of eligible families in the city where board can be obtained, is always accessible to students.

The usual cost of board is at present from \$3 00 to \$5 00 per week. A majority of the students pay about \$3 00. By forming clubs, students are able to obtain good board as low as \$2 50. Board with furnished rooms, in private families, may be had at from \$5 00 to \$10 00 per week.

In addition to the above charge of \$100 00 for tuition, candidates for a degree who pursue the study of Analytical Chemistry pay \$18 35 per two hour course, for gas, chemicals, breakage, etc.

The expenses of a special student in this branch for a course of study of two hours daily in the Laboratory, are, for each half-year, as follows:

Instruction, gas, chemicals, etc.,	.	.	.	.	\$35 00
Breakage, varying with the student's care, about	.	.	.	.	3 00
					<hr/> \$38 00

Students who take courses of four hours or of six hours daily, pay, respectively, double or treble the above amounts.

PECUNIARY AID TO STUDENTS

SCHOLARSHIPS

The College has about one hundred scholarships. Sixty-four of them are of one thousand dollars each. The income of these is given, under the direction of a committee appointed by the Corporation, to meritorious students who may need pecuniary assistance; *but a scholarship is forfeited if the candidate incurs College censure, or fails to secure at least seventy-five per cent. of the maximum marking.* The one thousand dollar scholarships are as follows, each, unless otherwise indicated, bearing the name of its founder:

- The eleven Nicholas Brown Scholarships.*
The four University Scholarships.
The President's (Sears) Scholarship.
The six Alva Woods Scholarships.
The James H. Duncan Scholarship.
The Isaac Davis Scholarship.
The Arnold Whipple Scholarship, founded by Mrs. Arnold Whipple.
The Ephraim Wheaton Scholarship, founded by James Wheaton.
The Joseph Brown Scholarship, founded by Mrs. E. B. Rogers.
The Gardner Colby Scholarship.
The James Y. Smith Scholarship.
The two S. S. Bradford Scholarships.
The Frances R. Arnold Scholarship.
The Cornelia E. Green Scholarship.
The Crocker Scholarship, founded by Robert H. and Thomas P. Ives, trustees.
The Clark Scholarship, also founded by the Messrs. Ives.
The Albert Day Scholarship.
The Henry P. Kent Scholarship.
The Romeo Elton Scholarship.
The five Annie E. Waters Scholarships.
The L. Fairbrother Scholarship, founded by Mrs. L. Fairbrother.
The George Lawton Scholarship.
The John P. Crozer Scholarship, founded by Mrs. Margaret Bucknell.
The Horatio N. Slater Scholarship.
The Earl P. Mason Scholarship.
The Newport Scholarship, founded by William Sanford Rogers.
The Alexis Caswell Scholarship.
The George K. and H. A. Pevear Scholarship.
The Joseph C. Hartshorn Scholarship I.
The Rogers High School Scholarship, founded by William Sanford Rogers.
The James Wheaton Scholarship.
The Charles Thurber Scholarship.
The Pardon Miller Scholarship, founded by Mrs. Ann E. Miller.
The Hezekiah S. Chase Scholarship.
The William Bucknell Scholarship.
The Austin Merrick Scholarship, founded by Mrs. Olive E. Merrick.
The three (Henry) Jackson Scholarships.
The Mumford Scholarship, founded by Mrs. Louisa D. Mumford.
The Henry Clifford Knight Scholarship, founded by Miss Amelia S. Knight, in memory of her brother, a member of the Class of 1875.
The Thurston Scholarship, founded by Hon. Benjamin F. Thurston.

Besides the above scholarships, there are others, the assignment of which is made subject to special provisions. These are as follows:

The Bartlett Scholarship, of four thousand dollars, founded by MRS. ELIZABETH SLATER BARTLETT, the income to be "devoted to the support of one or more students needing pecuniary aid, and giving promise by studious aims and by character and scholarship, of rising to distinction and usefulness."

The Glover Scholarships, of five thousand dollars, founded by HENRY R. GLOVER, "in memory of his father, SAMUEL GLOVER, a graduate of the College, of the Class of 1808, and of his brother, SAMUEL GLOVER,

JR., of the Class of 1839." Assignment is made upon the basis of character and attainments.

The Scholarship of the Class of 1838, of thirty-eight hundred dollars, founded by members of THE CLASS of 1833, and also assigned upon the basis of character and scholarship.

The Philadelphia Alumni Scholarship, of fifteen hundred dollars, founded by the "PHILADELPHIA ALUMNI ASSOCIATION OF BROWN UNIVERSITY."

The Joseph Charles Hartshorn Scholarship II., of two thousand dollars, founded by the gentleman whose name it bears.

The George J. Sherman Scholarships I. and II., of one thousand dollars each, founded by the gentleman whose name they bear.

The Scholarships of the Department of Agriculture. By resolutions of the General Assembly of the STATE OF RHODE ISLAND, the national grant, "for the benefit of Agriculture and the Mechanic Arts," was given to Brown University; and the fund of fifty thousand dollars which has accrued from this grant, is by agreement on the part of the University, devoted to the education "of scholars, each at the rate of one hundred dollars per annum, to the extent of the entire annual income." Appointments to these scholarships are made on the nomination of the General Assembly, by the Governor and Secretary of State, in conjunction with the President of the University.

AID FUND

This is a fund of several thousand dollars, the income of which is applied, either by loan or by gift, to the assistance of deserving young men of limited means.

PREMIUMS

I, For Excellence in Preparatory Studies

The President's Premiums. These are derived from the income of a fund presented by the REV. FRANCIS WAYLAND, D. D., while President of the University. They are awarded to those members of the Freshman Class candidates for the degree of Bachelor of Arts or Bachelor of Philosophy, who are found, *upon special examination*, to have attained the highest excellence in the classical studies required for admission to College. They are fixed by statute as follows:

A First Premium of fifteen dollars and a second of ten dollars, for excellence in the Greek language.

A First Premium of fifteen dollars and a second of ten dollars, for excellence in the Latin language.

The competitors are examined in the classical studies required for admission to the College.

The most recent award (1888) of these premiums was as follows:

Greek

The First Premium to JAMES ALDRICH PIRCE, instructed by William T. Peck, A. M., in the Providence High School.

The Second Premium to ROYAL HENRY GLADDING, instructed by William T. Peck, A. M., in the Providence High School.

Latin

The First Premium to JAMES ALDRICH PIRCE, instructed by William T. Peck, A. M., in the Providence High School.

The Second Premium to ROBERT NORTHAM TURNER, JR., instructed by William T. Peck, A. M., in the Providence High School.

Mathematics

The Hartshorn Premiums. These are derived from the income of a fund of one thousand dollars, presented by JOSEPH C. HARTSHORN, A. M., of the Class of 1841. This income is appropriated to *three premiums*.

These are awarded to those members of the Freshman Class who are found, upon examination, to have excelled in the preparatory mathematical studies.

The last award (1888) of these Premiums was as follows:

The First Premium to WARREN GARDNER BULLARD, instructed by Henry K. Clapp, A. B., and Agnes E. Stuart, A. B., in the Geneva (N. Y.) Classical and Union High School.

The Second Premium to ROBERT NORTHAM TURNER, JR., instructed by Walter B. Jacobs, A. M., in the Providence High School.

The Third Premium to LOUIS MANSON LINCOLN, instructed by Walter B. Jacobs, A. M., in the Providence High School.

II, For Excellence in College Studies

The Carpenter Prizes for Elocution. These are: a First Prize of *sixty* dollars; a Second Prize of *thirty-six* dollars; a Third Prize of *twenty-four* dollars.

They are derived from the income of a fund established by THOMAS CARPENTER, and are awarded annually to the three members of the Soph-

omore Class to whom shall be assigned, respectively, the first, the second and the third rank of excellence in elocution. The assignment is made by a committee appointed for the purpose, and after trial at a public exhibition given on the Monday evening before Commencement.

The competitors must be members of the Sophomore Class. They may declaim pieces in either prose or verse, selected from English authors, but their selections must be approved by the Professor of Rhetoric. They must enter their names with this Professor not later than on the tenth day before the exhibition.

The Committee of Award consists of five members, and is formed as follows: the Professor or the Instructor in Elocution, who is the chairman, two persons elected by the Corporation, also two elected by the Sophomore Class during the first term of the year, it being understood that no one who is or has been a member of the class is eligible.

The Committee for 1888 awarded the prizes as follows:

The First, to HERMAN WILLIAM WÄTJEN.

The Second, to FRED OSCAR MERRIFIELD.

The Third, to FREDERIC MOSELEY SACKETT, JR.

The Carpenter Premiums. These are two, of sixty dollars each, derived from the income of a fund established by THOMAS CARPENTER and LYDIA CARPENTER.

These premiums are assigned at the *end of the Senior year*, to the two members of the Senior Class, who, "already on scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life, ability, character and attainment."

For the year 1887-88, the Carpenter Premiums were awarded to:

HENRY WINN PINKHAM

and

JAMES FLOYD DENISON.

The Howell Premium. This fund, amounting to one thousand dollars, was presented by the late GAMALIEL LYMAN DWIGHT. The income is given, at the *close of the first half of the Senior year*, to the student, who, "having a good record of deportment," has the highest rank in Algebra, Geometry, General Geometry, Trigonometry, Calculus, Required Mechanics, Required Astronomy and Required Physics.

For the year 1887-88, this premium was awarded to

JAMES FLOYD DENISON.

The Dunn Premium. This fund, amounting to somewhat over eight hundred dollars, was presented by pupils and friends of the late PROFESSOR ROBINSON POTTER DUNN, D. D., the income to be given, at the end of the *Junior year*, to the student having the highest standing in rhetorical studies.

For the year 1887-88, this premium was awarded to

VERNON PURINTON SQUIRES.

The Class of 1873 Fund. This fund, amounting to five hundred dollars, was presented to the University by THE CLASS of 1873, on the condition that its income should be used as a prize for an Essay. The prize is annually offered for competition to members of the Senior Class.

On Commencement Day, June 20, 1888, the President announced the award of this prize to

JAMES FLOYD DENISON.

The Foster Premium. This premium is derived from the income of a fund of three thousand dollars bequeathed to the University by the late HON. LA FAYETTE SABINE FOSTER, LL. D., of the Class of 1828.

In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third and twenty-fourth books of Homer's *Iliad*, or in the Oration on the Crown by Demosthenes."

The next examination, open to the members of the Senior Class, will be held early in May, 1889. Candidates will be examined in the Oration on the Crown.

On Commencement Day, June 20, 1888, the President announced the award of this prize to

WALTER BURGESS SMITH.

HONORS IN THE CLASS OF 1888

CLASS HONORS

FIRST GRADE

GEORGE SAMSON BROWN,
JAMES FLOYD DENISON,

CLARENCE GRANT HAMILTON,
HENRY WINN PINKHAM.

SECOND GRADE

WILLIAM FRANKLIN ARRINGTON, CHARLES EDWARD DENNIS, JR.,
ELI WHITNEY BLAKE, JR., ARTHUR PLINY JOHNSON,
FRANCIS HERBERT BROWNELL, WALTER BURGESS SMITH,
CHARLES HOBEN DAY, WILLIAM ALLEN WILBUR,
CLARENCE WHITFORD YOUNG.

THIRD GRADE

CLARENCE AUGUSTUS BARBOUR, JOHN POWELL HUNTER,
JOSIAH BARTLETT, CHARLES FRANKLIN MEDBURY,
ARTHUR JOY BENTLEY. LOUIS CHILDS SANFORD,
ERNEST HENRY BROWNELL, ARTHUR EUGENE WATSON,
EDWIN KING DEXTER, FRED EARLE WHITAKER,
MORRIS WILLIAM HOUSE, ERVING YALE WOOLLEY.

SPECIAL HONORS

In Greek and in Latin

CHARLES EDWARD DENNIS, JR.

In History and in Political Economy

GEORGE SAMSON BROWN,

JAMES FLOYD DENISON.

In Mechanics and in Physics

ARTHUR EUGENE WATSON.

DEGREES CONFERRED IN 1888

DEGREES IN COURSE

THE DEGREE OF BACHELOR OF ARTS

ON

LYMAN FISKE RAND, of the Class of 1868,

AND ON

CARL HEWES ABBOTT,
WILLIAM FRANKLIN ARRINGTON,
CLARENCE AUGUSTUS BARBOUR,
ARTHUR JOY BENTLEY,
CLAUS ALFRID BERGSTRÖM.
ELI WHITNEY BLAKE, JR.,
GEORGE SAMSON BROWN,
ERNEST HENRY BROWNELL,
FRANCIS HERBERT BROWNELL,
WINTHROP WHITE BROWNELL,
CLAYTON PLATT BRUNSEN,
CHARLES KEMBLE CHAMBERS,
CHARLES DOUGHTY COOKE,
CHARLES HOBEN DAY,
JAMES FLOYD DENISON,
CHARLES EDWARD DENNIS, JR.,

EDWIN KING DEXTER,
JOHN WESLEY GILBERT,
CLARENCE GRANT HAMILTON,
FREDERICK AUGUSTUS HARRIS,
MORRIS WILLIAM HOUSE,
JOHN POWELL HUNTER,
ARTHUR PLINY JOHNSON,
CHARLES FRANKLIN MEDBURY,
HENRY WINN PINKHAM,
JOHN CORNELIUS QUINN,
LOUIS CHILDS SANFORD,
WALTER BURGESS SMITH,
ROBERT RENNIE TAFT,
ARTHUR EUGENE WATSON,
FRED EARLE WHITAKER,
WILLIAM ALLEN WILBUR,

ERVING YALE WOOLLEY.

THE DEGREE OF BACHELOR OF PHILOSOPHY

ON

JOSIAH BARTLETT,
ALBERT BURKE COOK,

WILLIAM HENRY CRAIG,
ALEXANDER MARSHALL, JR.,

CLARENCE WHITFORD YOUNG.

THE DEGREE OF MASTER OF ARTS

ON

ROBERT WARREN GREENE, of the Class of 1884.
 HENRY RUSSELL HITCHCOCK, of the Class of 1884.
 GEORGE RICE HOVEY, of the Class of 1882.
 WILLIAM HOYLE LANE, of the Class of 1880.
 CLEMENT DIETRICH O'LEARY, of the Class of 1884.

And on the following members of the Class of 1885:

LYNDON LAROE ANDERSTROM,	FERDINAND COURTNEY FRENCH,
ARTHUR CHANNING BARROWS,	EDWARD FAIRFIELD LOVEJOY,
WILLIAM CHAMBERLAIN BURWELL,	ELMER ELLSWORTH SILVER,
THERON HARLOW CARTER,	CHARLES MORRIS SMITH, JR.,
ELMER CASE,	HOWARD KEMBLE STOKES,
DUNCAN ALEXANDER CATTANACH,	SAMUEL SLATER STONE,
FRANK LESLIE DAY,	FRANK LOCKE TITCOMB,
WALTER GOODNOW EVERETT,	ANDREW MCCORRIE WARREN.

And on the following Resident Graduates after Examination:

AUSTEN KENNEDY DUBLOIS, GEORGE GRAFTON WILSON.

HONORARY DEGREES

THE DEGREE OF DOCTOR OF DIVINITY

ON

REV. AUGUSTUS WOODBURY.

THE DEGREE OF DOCTOR OF LAWS

ON

HON. BENJAMIN FRANCIS THURSTON, of the Class of 1849.

UNIVERSITY OF ILLINOIS-URBANA



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